

10-063583

BEST AVAILABLE COPY

10/063,583

10/063,583

GenCore version 5.1.9
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OK protein - protein search, using sw model

Run on: June 17, 2006, 02:50:14 ; Search time 70.7983 Seconds

(without alignments)
416.646 Million cell updates/sec

Title: US-10-063-583-74

Perfect score: 1779

Sequence: 1 MLFSALLLEIVILAAIDGGQ.....KRLNKRKSVFTSAQTTEA 337

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 650591 seqs, 87530628 residues

Total number of hits satisfying chosen parameters: 650591

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 1500 summaries

Database : Issued Patents AA:*

1: /EMC_Celerra_SIDS3/ptodata/2/iaa/5 COMB.pep:*

2: /EMC_Celerra_SIDS3/ptodata/2/iaa/6 COMB.pep:*

3: /EMC_Celerra_SIDS3/ptodata/2/iaa/7 COMB.pep:*

4: /EMC_Celerra_SIDS3/ptodata/2/iaa/8 COMB.pep:*

5: /EMC_Celerra_SIDS3/ptodata/2/iaa/ECTUS_COMB.pep:*

6: /EMC_Celerra_SIDS3/ptodata/2/iaa/RE_COMB.pep:*

7: /EMC_Celerra_SIDS3/ptodata/2/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1779	100.0	337	2	US-10-012-231A-423 Sequence 423, App
2	1779	100.0	337	2	US-10-015-389A-423 Sequence 423, App
3	1779	100.0	337	2	US-10-006-768A-423 Sequence 423, App
4	1779	100.0	337	2	US-10-015-671A-423 Sequence 423, App
5	1779	100.0	337	2	US-10-015-393A-423 Sequence 423, App
6	1779	100.0	337	2	US-10-011-833A-423 Sequence 423, App
7	1779	100.0	337	2	US-10-006-041A-423 Sequence 423, App
8	1779	100.0	337	2	US-10-012-064A-423 Sequence 423, App
9	1779	100.0	337	2	US-10-015-392A-423 Sequence 423, App
10	1779	100.0	337	3	US-10-011-795B-423 Sequence 423, App

11	1779	100.0	337	3	US-10-015-386A-423 Sequence 423, App
12	1779	100.0	337	3	US-10-012-121A-423 Sequence 423, App
13	1779	100.0	337	3	US-10-006-485A-423 Sequence 423, App
14	1779	100.0	337	3	US-10-006-746A-423 Sequence 423, App
15	1779	100.0	337	3	US-10-012-752A-423 Sequence 423, App
16	1779	100.0	337	3	US-10-017-253A-423 Sequence 423, App
17	1779	100.0	337	3	US-10-015-519A-423 Sequence 423, App
18	1779	100.0	337	3	US-10-015-715A-423 Sequence 423, App
19	1779	100.0	337	3	US-10-007-236A-423 Sequence 423, App
20	696.5	39.2	354	1	US-08-276-919-2 Sequence 2, Appli
21	696.5	39.2	354	1	US-08-776-088-2 Sequence 2, Appli
22	696.5	39.2	354	1	US-08-776-088-6 Sequence 6, Appli
23	696.5	39.2	354	2	US-09-325-320-2 Sequence 2, Appli
24	696.5	39.2	354	2	US-09-585-109-2 Sequence 2, Appli
25	696.5	39.2	354	2	US-09-949-016-6043 Sequence 6043, Ap
26	696.5	39.2	354	5	PCT-US95-09145A-2 Sequence 2, Appli
27	696.5	39.2	354	5	PCT-US95-09145A-6 Sequence 6, Appli
28	696.5	39.2	392	2	US-09-949-016-9900 Sequence 9900, Ap
29	691.5	38.9	325	1	US-08-276-919-4 Sequence 4, Appli
30	691.5	38.9	325	1	US-08-776-088-4 Sequence 4, Appli
31	691.5	38.9	325	5	PCT-US95-09145A-4 Sequence 4, Appli
32	689.5	38.8	325	1	US-08-276-919-13 Sequence 13, Appli
33	689.5	38.8	325	1	US-08-776-088-18 Sequence 18, Appli
34	689.5	38.8	325	5	PCT-US95-09145A-18 Sequence 18, Appli
35	654.5	36.8	274	1	US-08-776-088-15 Sequence 15, Appli
36	654.5	36.8	274	5	PCT-US95-09145A-15 Sequence 15, Appli
37	648.5	36.5	271	1	US-08-276-919-10 Sequence 10, Appli
38	648.5	36.5	271	1	US-08-776-088-13 Sequence 13, Appli
39	648.5	36.5	271	5	PCT-US95-09145A-13 Sequence 13, Appli
40	562	31.6	422	2	US-08-335-469-2 Sequence 2, Appli
41	562	31.6	422	2	US-08-260-190-2 Sequence 2, Appli
42	562	31.6	459	1	US-08-481-658B-2 Sequence 2, Appli
43	562	31.6	459	1	US-08-477-504A-2 Sequence 2, Appli
44	562	31.6	459	1	US-08-486-756A-2 Sequence 2, Appli
45	562	31.6	459	1	US-08-485-862B-2 Sequence 2, Appli
46	562	31.6	459	2	US-08-787-739-2 Sequence 2, Appli
47	562	31.6	459	2	US-08-487-077A-2 Sequence 2, Appli
48	562	31.6	459	2	US-08-485-863A-2 Sequence 2, Appli
49	562	31.6	459	2	US-08-485-049D-2 Sequence 2, Appli
50	562	31.6	459	2	US-09-178-115-2 Sequence 2, Appli
51	562	31.6	459	2	US-09-177-776-2 Sequence 2, Appli
52	562	31.6	459	2	US-09-772-719B-2 Sequence 2, Appli
53	562	31.6	459	2	US-08-260-190-6 Sequence 6, Appli
54	562	31.6	459	2	US-09-949-016-6042 Sequence 6042, Ap
55	562	31.6	473	2	US-09-949-016-10203 Sequence 10203, A
56	535	30.1	377	2	US-08-787-739-87 Sequence 87, Appli
57	535	30.1	377	2	US-09-178-115-87 Sequence 87, Appli
58	535	30.1	377	2	US-09-177-776-87 Sequence 87, Appli
59	533.5	30.0	256	1	US-08-481-658B-51 Sequence 51, Appli
60	533.5	30.0	256	1	US-08-477-504A-51 Sequence 51, Appli
61	533.5	30.0	256	1	US-08-486-756A-51 Sequence 51, Appli
62	533.5	30.0	256	1	US-08-485-862B-51 Sequence 51, Appli
63	533.5	30.0	256	2	US-08-487-077A-51 Sequence 51, Appli
64	533.5	30.0	256	2	US-08-485-863A-51 Sequence 51, Appli
65	533.5	30.0	256	2	US-08-485-049D-51 Sequence 51, Appli
66	533.5	30.0	256	2	US-09-772-719B-51 Sequence 51, Appli
67	533.5	30.0	257	2	US-08-787-739-51 Sequence 51, Appli

68	533.5	30.0	257	2	US-08-178-115-51	Sequence 51, Appli	125	380.5	21.4	260	2	US-10-000-954-4	Sequence 4, Appli
69	533.5	30.0	257	2	US-08-177-776-51	Sequence 51, Appli	126	380.5	21.4	261	1	US-08-015-986A-8	Sequence 8, Appli
70	519.5	29.2	262	1	US-08-015-986A-11	Sequence 11, Appli	127	380.5	21.4	261	1	US-08-446-363-8	Sequence 8, Appli
71	519.5	29.2	262	1	US-08-446-363-11	Sequence 11, Appli	128	380.5	21.4	261	2	US-08-802-674-4	Sequence 4, Appli
72	493	27.7	262	1	US-08-015-973-8	Sequence 8, Appli	129	380.5	21.4	312	2	US-10-099-322-20	Sequence 20, Appli
73	493	27.7	262	1	US-08-448-164-8	Sequence 8, Appli	130	380.5	21.4	312	2	US-10-099-322-86	Sequence 86, Appli
74	493	27.7	262	1	US-08-081-929-8	Sequence 8, Appli	131	380.5	21.4	312	2	US-10-044-564-20	Sequence 20, Appli
75	493	27.7	262	1	US-10-000-954-8	Sequence 8, Appli	132	380.5	21.4	312	2	US-10-044-564-86	Sequence 86, Appli
76	482.5	27.1	255	2	US-10-099-322-304	Sequence 304, App	133	374.5	21.1	260	2	US-08-081-929-10	Sequence 10, Appli
77	482.5	27.1	255	2	US-10-044-564-304	Sequence 304, App	134	374.5	21.1	260	2	US-10-000-954-10	Sequence 10, Appli
78	458.5	25.8	1442	1	US-08-015-986A-3	Sequence 3, Appli	135	373	21.0	266	2	US-10-099-322-88	Sequence 88, Appli
79	458.5	25.8	1442	1	US-08-446-363-3	Sequence 3, Appli	136	373	21.0	266	2	US-10-044-564-88	Sequence 88, Appli
80	451.5	25.4	1445	1	US-08-015-986A-2	Sequence 2, Appli	137	373	21.0	268	1	US-08-015-973-7	Sequence 7, Appli
81	451.5	25.4	1445	1	US-08-446-363-2	Sequence 2, Appli	138	373	21.0	268	1	US-08-448-164-7	Sequence 7, Appli
82	439.5	24.7	267	1	US-08-015-973-3	Sequence 3, Appli	139	373	21.0	268	2	US-08-081-929-7	Sequence 7, Appli
83	439.5	24.7	267	1	US-08-448-164-3	Sequence 3, Appli	140	373	21.0	268	2	US-10-000-954-7	Sequence 7, Appli
84	439.5	24.7	267	2	US-08-081-929-3	Sequence 3, Appli	141	365	20.5	373	1	US-08-015-986A-14	Sequence 14, Appli
85	439.5	24.7	267	2	US-10-000-954-3	Sequence 3, Appli	142	365	20.5	373	1	US-08-446-363-14	Sequence 14, Appli
86	421	23.7	287	2	US-09-949-016-10412	Sequence 10412, A	143	365	20.5	2308	1	US-08-015-973-1	Sequence 1, Appli
87	420	23.6	259	1	US-08-015-973-5	Sequence 5, Appli	144	365	20.5	2308	1	US-08-448-164-1	Sequence 1, Appli
88	420	23.6	259	1	US-08-448-164-5	Sequence 5, Appli	145	365	20.5	2308	1	US-08-081-929-2	Sequence 2, Appli
89	420	23.6	259	2	US-08-081-929-5	Sequence 5, Appli	146	365	20.5	2308	2	US-10-000-954-2	Sequence 2, Appli
90	420	23.6	259	2	US-10-000-954-5	Sequence 5, Appli	147	365	20.5	2314	2	US-09-816-703A-2	Sequence 2, Appli
91	420	23.6	260	1	US-08-015-986A-9	Sequence 9, Appli	148	363	20.4	344	2	US-09-270-767-41438	Sequence 41438, A
92	420	23.6	260	2	US-08-446-363-9	Sequence 9, Appli	149	362	20.3	266	1	US-08-015-986A-12	Sequence 12, Appli
93	420	23.6	260	2	US-08-927-128-4	Sequence 4, Appli	150	362	20.3	266	1	US-08-446-363-12	Sequence 12, Appli
94	420	23.6	260	2	US-09-976-594-644	Sequence 644, App	151	360.5	20.3	270	1	US-08-452-052-1	Sequence 1, Appli
95	414	23.3	429	1	US-07-964-589-2	Sequence 2, Appli	152	359.5	20.2	262	2	US-10-099-322-89	Sequence 89, Appli
96	414	23.3	429	5	PCT-US93-02024-2	Sequence 2, Appli	153	359.5	20.2	262	2	US-10-044-564-89	Sequence 89, Appli
97	411	23.1	264	2	US-09-949-016-6599	Sequence 6599, Ap	154	354	19.9	294	2	US-10-099-322-87	Sequence 87, Appli
98	410	23.0	288	1	US-08-595-868C-12	Sequence 12, Appli	155	354	19.9	294	2	US-10-044-564-87	Sequence 87, Appli
99	410	23.0	288	2	US-09-139-819A-12	Sequence 12, Appli	156	310.5	17.5	335	2	US-10-099-322-90	Sequence 90, Appli
100	410	23.0	288	2	US-08-750-913-12	Sequence 12, Appli	157	310.5	17.5	335	2	US-10-044-564-90	Sequence 90, Appli
101	406	22.8	259	1	US-08-015-986A-10	Sequence 10, Appli	158	288.5	16.2	328	1	US-08-977-767-1	Sequence 1, Appli
102	406	22.8	259	1	US-08-015-973-6	Sequence 6, Appli	159	288.5	16.2	328	2	US-09-999-833A-358	Sequence 358, App
103	406	22.8	259	1	US-08-446-363-10	Sequence 10, Appli	160	288.5	16.2	328	2	US-10-020-445A-358	Sequence 358, App
104	406	22.8	259	1	US-08-448-164-6	Sequence 6, Appli	161	288.5	16.2	328	2	US-09-978-189-358	Sequence 358, App
105	406	22.8	259	2	US-08-081-929-6	Sequence 6, Appli	162	288.5	16.2	328	2	US-10-017-085A-358	Sequence 358, App
106	406	22.8	259	2	US-10-000-954-6	Sequence 6, Appli	163	288.5	16.2	328	3	US-10-145-129A-358	Sequence 358, App
107	406	22.8	364	2	US-09-949-016-8113	Sequence 8113, Ap	164	288.5	16.2	328	3	US-10-013-929A-358	Sequence 358, App
108	405	22.8	421	2	US-09-938-270B-1	Sequence 1, Appli	165	288.5	16.2	328	3	US-10-013-917A-358	Sequence 358, App
109	393	22.1	261	1	US-08-015-973-9	Sequence 9, Appli	166	288.5	16.2	385	2	US-09-949-016-11213	Sequence 11213, A
110	393	22.1	261	1	US-08-448-164-9	Sequence 9, Appli	167	280.5	15.8	201	1	US-08-469-667-18	Sequence 18, Appli
111	393	22.1	261	2	US-08-081-929-9	Sequence 9, Appli	168	280.5	15.8	201	2	US-09-224-110-18	Sequence 18, Appli
112	393	22.1	261	2	US-10-000-954-9	Sequence 9, Appli	169	280.5	15.8	201	5	PCT-US93-07289-18	Sequence 18, Appli
113	387	21.8	288	2	US-09-949-016-8850	Sequence 8850, Ap	170	280.5	15.8	201	5	PCT-US93-07289-18	Sequence 18, Appli
114	385.5	21.7	170	1	US-08-481-658B-54	Sequence 54, Appli	171	266	15.0	235	1	US-08-015-986A-13	Sequence 13, Appli
115	385.5	21.7	170	1	US-08-477-504A-54	Sequence 54, Appli	172	266	15.0	235	1	US-08-446-363-13	Sequence 13, Appli
116	385.5	21.7	170	1	US-08-486-756A-54	Sequence 54, Appli	173	257.5	14.5	782	2	US-09-270-767-44626	Sequence 44626, A
117	385.5	21.7	170	1	US-08-485-862B-54	Sequence 54, Appli	174	250.5	14.1	486	2	US-09-270-767-60075	Sequence 60075, A
118	385.5	21.7	170	2	US-08-487-077A-54	Sequence 54, Appli	175	243.5	13.7	132	2	US-09-513-999C-4373	Sequence 4373, Ap
119	385.5	21.7	170	2	US-08-485-863A-54	Sequence 54, Appli	176	176	9.9	147	2	US-09-270-767-33301	Sequence 33301, A
120	385.5	21.7	170	2	US-08-485-049D-54	Sequence 54, Appli	177	169.5	9.5	443	2	US-09-270-767-33409	Sequence 33409, A
121	385.5	21.7	170	2	US-08-772-7195A-54	Sequence 54, Appli	178	169.5	9.5	443	2	US-09-270-767-48626	Sequence 48626, A
122	380.5	21.4	260	1	US-08-015-973-4	Sequence 4, Appli	179	163.5	9.2	430	1	US-08-945-848-8	Sequence 8, Appli
123	380.5	21.4	260	1	US-08-448-164-4	Sequence 4, Appli	180	160.5	9.0	106	2	US-09-270-767-33324	Sequence 33324, A
124	380.5	21.4	260	2	US-08-081-929-4	Sequence 4, Appli	181	158.5	8.9	234	2	US-09-107-532A-5283	Sequence 5283, Ap

182	156	8.8	105	2	US-09-513-999C-5350	Sequence 5350, Ap	239	85	4.8	984	1	US-08-702-367A-19	Sequence 19, Appl
183	150.5	8.5	144	2	US-09-621-976-5098	Sequence 5098, Ap	240	85	4.8	984	2	US-09-378-759-19	Sequence 19, Appl
184	119	6.7	123	2	US-09-270-767-33649	Sequence 33649, A	241	85	4.8	984	5	PCT-US95-04681-19	Sequence 19, Appl
185	119	6.7	123	2	US-09-270-767-48866	Sequence 48866, A	242	85	4.8	2273	2	US-09-426-998-5	Sequence 5, Appli
186	114.5	6.4	3647	2	US-09-949-016-10932	Sequence 10932, A	243	84.5	4.7	1184	1	US-08-446-0388-20	Sequence 20, Appl
187	112	6.3	140	2	US-09-270-767-33338	Sequence 33338, A	244	84.5	4.7	1184	1	US-08-446-0108-20	Sequence 20, Appl
188	112	6.3	140	2	US-09-270-767-48555	Sequence 48555, A	245	84.5	4.7	1184	1	US-08-805-443-20	Sequence 20, Appl
189	105.5	5.9	1439	1	US-08-449-644-2	Sequence 2, Appli	246	84.5	4.7	1184	1	US-08-064-067D-20	Sequence 20, Appl
190	105.5	5.9	1439	1	US-08-087-244A-2	Sequence 2, Appli	247	84.5	4.7	1184	1	US-09-066-208-20	Sequence 20, Appl
191	104	5.8	3597	2	US-10-037-417-6	Sequence 6, Appli	248	84.5	4.7	1299	2	US-08-460-900C-62	Sequence 62, Appl
192	104	5.8	3600	2	US-10-037-417-2	Sequence 6, Appli	249	84.5	4.7	1299	2	US-08-674-509B-48	Sequence 48, Appl
193	103.5	5.8	1457	1	US-08-652-971-3	Sequence 3, Appli	250	84.5	4.7	1299	2	US-08-954-698-48	Sequence 48, Appl
194	103.5	5.8	1457	1	US-08-449-644-1	Sequence 1, Appli	251	84.5	4.7	1299	2	US-09-639-693-62	Sequence 62, Appl
195	103.5	5.8	1457	1	US-08-087-244A-1	Sequence 1, Appli	252	84.5	4.7	1299	2	US-09-448-188-48	Sequence 48, Appl
196	103.5	5.8	1457	1	US-08-991-258A-3	Sequence 3, Appli	253	84.5	4.7	1299	2	US-08-954-128-48	Sequence 48, Appl
197	103.5	5.8	1457	1	US-08-769-393-3	Sequence 3, Appli	254	84.5	4.7	1299	2	US-08-954-740-48	Sequence 48, Appl
198	103.5	5.8	1457	2	US-08-991-933A-3	Sequence 3, Appli	255	84.5	4.7	1457	2	US-09-713-273A-18	Sequence 18, Appl
199	100	5.6	104	2	US-09-270-767-33498	Sequence 33498, A	256	84	4.7	697	2	US-09-949-016-9660	Sequence 9660, Ap
200	100	5.6	104	2	US-09-270-767-48715	Sequence 48715, A	257	83.5	4.7	501	2	US-08-857-076-102	Sequence 102, App
201	98	5.5	530	2	US-08-486-049-3	Sequence 3, Appli	258	83.5	4.7	547	2	US-09-877-730-26	Sequence 26, Appl
202	98	5.5	530	2	US-10-314-739A-3	Sequence 3, Appli	259	83.5	4.7	628	2	US-09-877-730-30	Sequence 30, Appl
203	97	5.5	518	2	US-09-113-309-19	Sequence 19, Appl	260	83.5	4.7	686	2	US-09-328-352-4303	Sequence 4303, Ap
204	97	5.5	518	2	US-09-521-109-19	Sequence 19, Appl	261	83.5	4.7	826	2	US-09-877-730-16	Sequence 16, Appl
205	97	5.5	518	2	US-09-562-332-19	Sequence 19, Appl	262	83.5	4.7	904	2	US-09-877-730-6	Sequence 6, Appli
206	97	5.5	545	2	US-08-974-180-15	Sequence 15, Appl	263	83.5	4.7	907	2	US-09-877-730-20	Sequence 20, Appl
207	97	5.5	856	2	US-09-248-796A-16089	Sequence 16089, A	264	83.5	4.7	985	2	US-09-877-730-10	Sequence 10, Appl
208	96	5.4	374	2	US-09-638-937-2	Sequence 2, Appli	265	83.5	4.7	1187	1	US-08-357-598-8	Sequence 8, Appli
209	95.5	5.4	346	2	US-09-270-767-45452	Sequence 45452, A	266	83.5	4.7	1187	1	US-08-007-997A-13	Sequence 13, Appl
210	95	5.3	810	2	US-09-538-092-1275	Sequence 1275, Ap	267	83.5	4.7	1187	1	US-09-003-289-8	Sequence 8, Appli
211	95	5.3	953	2	US-09-845-583A-4	Sequence 4, Appli	268	83.5	4.7	1187	2	US-08-665-574C-13	Sequence 13, Appl
212	95	5.3	953	2	US-10-037-417-50	Sequence 50, Appl	269	83.5	4.7	1187	2	US-08-946-994-13	Sequence 13, Appl
213	95	5.3	1634	2	US-10-037-417-49	Sequence 49, Appl	270	83.5	4.7	1187	2	US-09-972-800A-18	Sequence 18, Appl
214	95	5.3	3695	2	US-10-037-182-2	Sequence 2, Appli	271	83.5	4.7	1187	2	US-09-397-967A-13	Sequence 13, Appl
215	93	5.2	908	2	US-10-037-417-4	Sequence 4, Appli	272	83.5	4.7	1187	5	PCT-US95-16435-8	Sequence 8, Appli
216	93	5.2	1640	2	US-09-252-991A-29228	Sequence 29228, A	273	83.5	4.7	1469	2	US-09-713-273A-16	Sequence 16, Appl
217	92	5.2	746	2	US-09-328-352-7276	Sequence 11, Appl	274	83	4.7	457	2	US-09-394-142B-22	Sequence 22, Appl
218	91	5.1	534	2	US-09-087-134-11	Sequence 11, Appl	275	83	4.7	579	2	US-08-244-805-38	Sequence 38, Appl
219	91	5.1	694	2	US-09-328-352-7276	Sequence 7276, Ap	276	83	4.7	984	1	US-08-673-789-9	Sequence 9, Appli
220	89	5.0	560	2	US-09-139-064-6	Sequence 6, Appli	277	83	4.7	2907	2	US-09-698-295-1	Sequence 1, Appli
221	89	5.0	560	2	US-09-487-370-6	Sequence 6, Appli	278	82.5	4.6	307	2	US-10-037-417-91	Sequence 91, Appl
222	89	5.0	560	2	US-09-248-796A-22980	Sequence 22980, A	279	82.5	4.6	479	2	US-09-004-838-123	Sequence 123, Appl
223	88	4.9	328	2	US-09-489-847-310	Sequence 310, App	280	82.5	4.6	635	2	US-10-101-464A-932	Sequence 932, Appl
224	87.5	4.9	424	2	US-10-029-180-104	Sequence 104, App	281	81.5	4.6	372	2	US-09-638-937-4	Sequence 4, Appli
225	87.5	4.9	624	2	US-09-877-730-24	Sequence 24, Appl	282	81.5	4.6	664	2	US-09-107-532A-7252	Sequence 7252, Ap
226	87.5	4.9	712	2	US-09-877-730-22	Sequence 22, Appl	283	81.5	4.6	994	2	US-09-949-016-6779	Sequence 6779, Ap
227	87.5	4.9	793	2	US-09-877-730-28	Sequence 28, Appl	284	81	4.6	189	2	US-09-902-540-16173	Sequence 16173, A
228	87.5	4.9	991	2	US-09-877-730-12	Sequence 12, Appli	285	81	4.6	411	1	US-08-399-561-2	Sequence 2, Appli
229	87.5	4.9	1069	2	US-09-877-730-2	Sequence 2, Appli	286	81	4.6	460	2	US-09-147-955-2	Sequence 2, Appli
230	87.5	4.9	1072	2	US-09-877-730-18	Sequence 18, Appl	287	81	4.6	513	2	US-09-252-991A-32658	Sequence 32658, A
231	87.5	4.9	1150	2	US-09-877-730-8	Sequence 8, Appli	288	81	4.6	561	2	US-09-902-540-15714	Sequence 15714, A
232	86.5	4.9	307	1	US-08-807-861A-56	Sequence 56, Appl	289	81	4.6	1055	2	US-09-949-016-9776	Sequence 9776, Ap
233	86.5	4.9	307	2	US-08-210-681-56	Sequence 56, Appl	290	81	4.6	1187	1	US-08-201-697-2	Sequence 2, Appli
234	86.5	4.9	307	2	US-08-946-719A-56	Sequence 56, Appl	291	80.5	4.5	552	2	US-09-248-796A-25337	Sequence 25337, A
235	86.5	4.9	307	2	US-09-547-983-56	Sequence 56, Appl	292	80.5	4.5	658	2	US-09-252-991A-26319	Sequence 26319, A
236	85.5	4.8	1457	2	US-09-436-874-2	Sequence 2, Appli	293	80.5	4.5	777	2	US-09-949-016-7158	Sequence 7158, Ap
237	85	4.8	351	2	US-09-252-991A-29992	Sequence 29992, A	294	80.5	4.5	857	1	US-08-659-251-2	Sequence 2, Appli
238	85	4.8	984	1	US-08-449-645A-19	Sequence 19, Appl	295	80.5	4.5	857	2	US-09-256-490-2	Sequence 2, Appli

296	80.5	4.5	857	5	PCT-US96-11445-2	Sequence 2, Appli	353	78.5	4.4	1095	2	US-10-094-749-1905	Sequence 1905, Ap
297	80.5	4.5	1261	1	US-08-764-100-26	Sequence 26, Appl	354	78.5	4.4	1424	2	US-09-388-221B-12	Sequence 12, Appl
298	80.5	4.5	1290	1	US-09-150-460B-6	Sequence 6, Appl	355	78.5	4.4	1454	2	US-09-388-221B-10	Sequence 10, Appl
299	80	4.5	631	2	US-09-310-463-20	Sequence 20, Appl	356	78	4.4	254	2	US-09-248-796A-27114	Sequence 27114, A
300	80	4.5	631	2	US-08-842-248A-20	Sequence 20, Appl	357	78	4.4	280	2	US-10-101-464A-614	Sequence 614, App
301	80	4.5	631	3	US-10-143-618-20	Sequence 20, Appl	358	78	4.4	400	2	US-09-538-092-1146	Sequence 1146, Ap
302	80	4.5	719	2	US-09-949-016-7766	Sequence 7766, Ap	359	78	4.4	852	2	US-09-206-551-19	Sequence 19, Appl
303	80	4.5	725	1	US-09-724-653-10	Sequence 10, Appl	360	78	4.4	905	2	US-09-340-620A-52	Sequence 52, Appl
304	80	4.5	739	1	US-07-618-946B-22	Sequence 22, Appl	361	78	4.4	905	2	US-09-728-721-52	Sequence 52, Appl
305	80	4.5	814	1	US-07-618-946B-23	Sequence 23, Appl	362	78	4.4	1152	1	US-08-476-062A-43	Sequence 43, Appl
306	79.5	4.5	365	2	US-09-328-352-6107	Sequence 6107, Ap	363	78	4.4	1152	5	PCT-US96-01314-43	Sequence 43, Appl
307	79.5	4.5	494	2	US-09-328-352-6107	Sequence 462, App	364	78	4.4	1152	7	5424399-2	Patent No. 5424399
308	79.5	4.5	524	2	US-09-171-553B-4	Sequence 4, Appli	365	77.5	4.4	227	2	US-09-248-796A-15723	Sequence 15723, A
309	79.5	4.5	743	2	US-09-724-653-8	Sequence 8, Appli	366	77.5	4.4	364	2	US-09-198-452A-423	Sequence 423, App
310	79.5	4.5	748	2	US-09-061-764A-19	Sequence 19, Appl	367	77.5	4.4	364	2	US-09-438-185A-406	Sequence 406, App
311	79.5	4.5	808	2	US-09-917-254-52	Sequence 52, Appl	368	77.5	4.4	498	2	US-10-104-047-3191	Sequence 3191, Ap
312	79.5	4.5	823	2	US-09-107-532A-5667	Sequence 5667, Ap	369	77.5	4.4	563	2	US-09-252-991A-28996	Sequence 28996, A
313	79.5	4.5	850	2	US-09-129-603-2	Sequence 2, Appli	370	77.5	4.4	590	2	US-09-971-773-73	Sequence 73, Appl
314	79.5	4.5	1064	2	US-10-104-047-3830	Sequence 3830, Ap	371	77.5	4.4	716	1	US-08-766-982-1	Sequence 1, Appli
315	79.5	4.5	1207	2	US-09-593-828-17	Sequence 17, Appl	372	77.5	4.4	716	1	US-09-296-219-1	Sequence 1, Appli
316	79.5	4.5	1285	1	US-08-540-406-6	Sequence 6, Appli	373	77.5	4.4	1176	2	US-09-976-594-793	Sequence 793, App
317	79.5	4.5	1285	2	US-08-656-055-6	Sequence 6, Appli	374	77.5	4.4	1222	2	US-09-593-828-15	Sequence 15, Appl
318	79.5	4.5	1285	2	US-08-954-668-6	Sequence 6, Appli	375	77.5	4.4	1356	3	US-10-114-270-78	Sequence 78, Appl
319	79.5	4.5	1285	2	US-08-918-658-6	Sequence 6, Appli	376	77	4.3	509	1	US-08-030-096-2	Sequence 2, Appli
320	79.5	4.5	1285	2	US-09-724-631-6	Sequence 6, Appli	377	77	4.3	514	2	US-09-252-991A-29276	Sequence 29276, A
321	79.5	4.5	1285	2	US-08-954-701A-6	Sequence 6, Appli	378	77	4.3	573	2	US-09-902-540-12155	Sequence 12155, A
322	79.5	4.5	1285	2	US-09-754-032-6	Sequence 6, Appli	379	77	4.3	751	2	US-09-252-991A-29893	Sequence 29893, A
323	79.5	4.5	1285	2	US-08-916-140-6	Sequence 6, Appli	380	77	4.3	802	2	US-09-252-991A-23824	Sequence 23824, A
324	79.5	4.5	1285	5	PCT-US95-13233-6	Sequence 6, Appli	381	77	4.3	963	2	US-09-328-352-4544	Sequence 4544, Ap
325	79.5	4.5	1286	2	US-09-268-140-3	Sequence 3, Appli	382	77	4.3	1412	2	US-09-949-002-486	Sequence 486, App
326	79.5	4.5	1307	1	US-08-395-246C-2	Sequence 2, Appli	383	77	4.3	1419	2	US-09-252-991A-31822	Sequence 31822, A
327	79	4.4	357	5	PCT-US91-00899-14	Sequence 14, Appl	384	77	4.3	2220	2	US-09-949-016-9730	Sequence 9730, Ap
328	79	4.4	370	2	US-09-540-236-2696	Sequence 2696, Ap	385	77	4.3	4096	2	US-09-296-662-34	Sequence 34, Appl
329	79	4.4	382	2	US-09-252-991A-20201	Sequence 20201, A	386	76.5	4.3	260	2	US-09-540-236-2594	Sequence 2594, Ap
330	79	4.4	573	2	US-09-248-796A-17549	Sequence 17549, A	387	76.5	4.3	318	2	US-09-888-623-16	Sequence 16, Appl
331	79	4.4	631	2	US-09-345-468-12	Sequence 12, Appl	388	76.5	4.3	424	2	US-09-902-540-10575	Sequence 10575, A
332	79	4.4	631	2	US-09-414-453A-12	Sequence 12, Appl	389	76.5	4.3	472	2	US-09-134-000C-3893	Sequence 3893, Ap
333	79	4.4	631	2	US-09-610-118-12	Sequence 12, Appl	390	76.5	4.3	484	2	US-09-270-767-42785	Sequence 42785, A
334	79	4.4	655	2	US-09-228-986-70	Sequence 70, Appl	391	76.5	4.3	504	2	US-10-104-047-3872	Sequence 3872, Ap
335	79	4.4	655	2	US-10-101-464A-70	Sequence 70, Appl	392	76.5	4.3	566	2	US-09-023-731-1	Sequence 1, Appli
336	79	4.4	1423	2	US-08-810-712-10	Sequence 10, Appl	393	76.5	4.3	566	2	US-09-911-969-1	Sequence 1, Appli
337	79	4.4	1431	2	US-09-538-092-1198	Sequence 1198, Ap	394	76.5	4.3	696	2	US-09-252-991A-20587	Sequence 20587, A
338	79	4.4	1431	2	US-09-949-002-377	Sequence 377, App	395	76.5	4.3	752	2	US-09-693-542-89	Sequence 89, Appl
339	79	4.4	2343	2	US-09-324-867-2	Sequence 2, Appli	396	76.5	4.3	792	2	US-09-949-016-10798	Sequence 10798, A
340	79	4.4	3118	1	US-08-457-273B-8	Sequence 8, Appli	397	76.5	4.3	833	2	US-09-489-039A-8936	Sequence 8936, Ap
341	78.5	4.4	197	2	US-09-270-767-46202	Sequence 46202, A	398	76.5	4.3	1587	2	US-09-000-094-46	Sequence 46, Appl
342	78.5	4.4	381	1	US-08-585-758A-2	Sequence 2, Appli	399	76.5	4.3	1587	2	US-10-011-749-46	Sequence 46, Appl
343	78.5	4.4	381	1	US-08-977-818-2	Sequence 2, Appli	400	76.5	4.3	1910	2	US-08-956-991-2	Sequence 2, Appli
344	78.5	4.4	381	1	US-08-670-274B-2	Sequence 2, Appli	401	76	4.3	336	2	US-09-902-540-16050	Sequence 16050, A
345	78.5	4.4	381	1	US-08-786-999-3	Sequence 3, Appli	402	76	4.3	370	2	US-09-142-551A-4	Sequence 4, Appli
346	78.5	4.4	381	2	US-09-146-187-2	Sequence 2, Appli	403	76	4.3	416	2	US-09-949-016-7756	Sequence 7756, Ap
347	78.5	4.4	381	2	US-09-216-387-3	Sequence 3, Appli	404	76	4.3	451	2	US-09-902-540-13289	Sequence 13289, A
348	78.5	4.4	381	2	US-09-804-690-2	Sequence 2, Appli	405	76	4.3	457	2	US-09-416-213-2	Sequence 2, Appli
349	78.5	4.4	391	2	US-09-886-319A-1	Sequence 1, Appli	406	76	4.3	457	2	US-09-416-214-2	Sequence 2, Appli
350	78.5	4.4	448	2	US-09-949-016-9938	Sequence 9938, Ap	407	76	4.3	457	2	US-09-035-676-2	Sequence 2, Appli
351	78.5	4.4	845	2	US-09-949-016-11413	Sequence 11413, A	408	76	4.3	457	2	US-10-161-346-2	Sequence 2, Appli
352	78.5	4.4	1028	2	US-09-949-016-9650	Sequence 9650, Ap	409	76	4.3	506	1	US-08-845-161A-18	Sequence 18, Appl

Sequence 1905, Ap	Sequence 12, Appl	Sequence 10, Appl	Sequence 27114, A	Sequence 614, App	Sequence 1146, Ap	Sequence 19, Appl	Sequence 52, Appl	Sequence 52, Appl	Sequence 43, Appl	Sequence 43, Appl	Patent No. 5424399	Sequence 15723, A	Sequence 423, App	Sequence 406, App	Sequence 3191, Ap	Sequence 28996, A	Sequence 73, Appl	Sequence 1, Appli	Sequence 1, Appli	Sequence 793, App	Sequence 15, Appl	Sequence 78, Appl	Sequence 2, Appli	Sequence 29276, A	Sequence 12155, A	Sequence 29893, A	Sequence 23824, A	Sequence 4544, Ap	Sequence 486, App	Sequence 1822, A	Sequence 9730, Ap	Sequence 34, Appl	Sequence 2594, Ap	Sequence 16, Appl	Sequence 10575, A	Sequence 3893, Ap	Sequence 42785, A	Sequence 3872, Ap	Sequence 1, Appli	Sequence 1, Appli	Sequence 20587, A	Sequence 69, Appl	Sequence 10798, A	Sequence 8936, Ap	Sequence 46, Appl	Sequence 46, Appl	Sequence 2, Appli	Sequence 2, Appli	Sequence 2, Appli	Sequence 2, Appli	Sequence 2, Appli	Sequence 18, Appl
-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	--------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------

410	76	4.3	506	2	US-09-270-751-18	Sequence 18, Appl
411	76	4.3	525	2	US-09-543-681A-4364	Sequence 4364, Ap
412	76	4.3	553	1	US-08-651-572-2	Sequence 2, Appl
413	76	4.3	553	2	US-09-066-544-2	Sequence 2, Appl
414	76	4.3	553	2	US-08-931-086-2	Sequence 2, Appl
415	76	4.3	553	2	US-09-430-669-2	Sequence 2, Appl
416	76	4.3	575	2	US-10-104-047-2221	Sequence 2221, Ap
417	76	4.3	646	2	US-09-949-016-7344	Sequence 7344, Ap
418	76	4.3	1055	2	US-09-489-039A-9150	Sequence 9150, Ap
419	76	4.3	2509	2	US-09-252-991A-16642	Sequence 16642, A
420	75.5	4.2	300	2	US-09-099-041A-4	Sequence 4, Appl
421	75.5	4.2	300	2	US-09-245-281-4	Sequence 4, Appl
422	75.5	4.2	300	2	US-09-207-359B-4	Sequence 4, Appl
423	75.5	4.2	300	2	US-09-340-620A-4	Sequence 4, Appl
424	75.5	4.2	300	2	US-09-865-364-4	Sequence 4, Appl
425	75.5	4.2	300	2	US-09-728-721-4	Sequence 4, Appl
426	75.5	4.2	304	2	US-09-270-767-43346	Sequence 43346, A
427	75.5	4.2	405	3	US-09-389-000B-2	Sequence 2, Appl
428	75.5	4.2	461	2	US-09-147-955-6	Sequence 6, Appl
429	75.5	4.2	482	1	US-08-135-510-5	Sequence 5, Appl
430	75.5	4.2	482	1	US-08-483-852-5	Sequence 5, Appl
431	75.5	4.2	482	1	US-08-477-953-5	Sequence 5, Appl
432	75.5	4.2	482	1	US-08-477-952-5	Sequence 5, Appl
433	75.5	4.2	504	1	US-08-135-511-28	Sequence 28, Appl
434	75.5	4.2	504	1	US-08-483-852-8	Sequence 8, Appl
435	75.5	4.2	504	1	US-08-361-458-3	Sequence 3, Appl
436	75.5	4.2	504	1	US-08-477-953-8	Sequence 8, Appl
437	75.5	4.2	504	1	US-08-187-453-28	Sequence 28, Appl
438	75.5	4.2	504	1	US-08-477-952-8	Sequence 8, Appl
439	75.5	4.2	504	2	US-09-762-415-4	Sequence 4, Appl
440	75.5	4.2	507	2	US-09-949-016-10802	Sequence 10802, A
441	75.5	4.2	531	2	US-09-252-991A-17650	Sequence 17650, A
442	75.5	4.2	540	2	US-09-019-942-1	Sequence 1, Appl
443	75.5	4.2	540	2	US-09-039-041A-2	Sequence 2, Appl
444	75.5	4.2	540	2	US-09-069-023-27	Sequence 27, Appl
445	75.5	4.2	540	2	US-09-245-281-2	Sequence 2, Appl
446	75.5	4.2	540	2	US-09-470-271-1	Sequence 1, Appl
447	75.5	4.2	540	2	US-09-207-359B-2	Sequence 2, Appl
448	75.5	4.2	540	2	US-09-340-620A-2	Sequence 2, Appl
449	75.5	4.2	540	2	US-09-345-473E-28	Sequence 28, Appl
450	75.5	4.2	540	2	US-09-865-364-2	Sequence 2, Appl
451	75.5	4.2	540	2	US-09-748-537-1	Sequence 1, Appl
452	75.5	4.2	540	2	US-09-981-397A-14	Sequence 14, Appl
453	75.5	4.2	540	2	US-09-862-027-28	Sequence 28, Appl
454	75.5	4.2	540	2	US-09-728-721-2	Sequence 2, Appl
455	75.5	4.2	540	2	US-09-771-161A-184	Sequence 184, App
456	75.5	4.2	541	2	US-09-134-000C-5420	Sequence 5420, Ap
457	75.5	4.2	586	2	US-09-339-159B-10	Sequence 10, Appl
458	75.5	4.2	638	2	US-10-094-749-2099	Sequence 2099, Ap
459	75.5	4.2	689	2	US-10-207-706-2	Sequence 2, Appl
460	75.5	4.2	758	1	US-07-756-250-16	Sequence 16, Appl
461	75.5	4.2	766	2	US-09-949-016-10058	Sequence 10058, A
462	75	4.2	66	2	US-09-513-999C-5649	Sequence 5649, Ap
463	75	4.2	211	2	US-09-543-681A-7263	Sequence 7263, Ap
464	75	4.2	284	2	US-09-786-240-7	Sequence 7, Appl
465	75	4.2	393	1	US-08-837-593-3	Sequence 3, Appl
466	75	4.2	657	2	US-10-104-047-2529	Sequence 2529, Ap

467	75	4.2	720	2	US-09-480-921B-8	Sequence 8, Appl
468	75	4.2	998	2	US-09-540-236-3801	Sequence 3801, Ap
469	74.5	4.2	229	2	US-09-394-142B-8	Sequence 8, Appl
470	74.5	4.2	300	2	US-10-104-047-3050	Sequence 3050, Ap
471	74.5	4.2	342	2	US-09-538-092-776	Sequence 776, App
472	74.5	4.2	354	2	US-09-338-907-74	Sequence 74, Appl
473	74.5	4.2	354	2	US-09-218-207-74	Sequence 74, Appl
474	74.5	4.2	387	1	US-08-314-596-40	Sequence 40, Appl
475	74.5	4.2	387	1	US-08-314-596-42	Sequence 42, Appl
476	74.5	4.2	387	1	US-08-320-982-40	Sequence 40, Appl
477	74.5	4.2	387	1	US-08-320-982-42	Sequence 42, Appl
478	74.5	4.2	387	1	US-08-872-302-6	Sequence 6, Appl
479	74.5	4.2	387	2	US-08-819-037-40	Sequence 40, Appl
480	74.5	4.2	387	2	US-08-819-037-42	Sequence 42, Appl
481	74.5	4.2	387	2	US-08-530-862B-5	Sequence 5, Appl
482	74.5	4.2	387	2	US-08-597-313D-5	Sequence 5, Appl
483	74.5	4.2	387	2	US-08-059-769-14	Sequence 14, Appl
484	74.5	4.2	387	2	US-09-161-994A-18	Sequence 18, Appl
485	74.5	4.2	387	2	US-09-045-940-40	Sequence 40, Appl
486	74.5	4.2	387	2	US-09-045-940-42	Sequence 42, Appl
487	74.5	4.2	387	2	US-09-638-937-6	Sequence 6, Appl
488	74.5	4.2	387	2	US-09-885-189-5	Sequence 5, Appl
489	74.5	4.2	396	2	US-09-142-551A-3	Sequence 3, Appl
490	74.5	4.2	450	2	US-10-094-749-1926	Sequence 1926, Ap
491	74.5	4.2	459	2	US-09-543-681A-5116	Sequence 5116, Ap
492	74.5	4.2	468	2	US-10-104-047-3829	Sequence 3829, Ap
493	74.5	4.2	469	2	US-09-252-991A-26584	Sequence 26584, A
494	74.5	4.2	487	2	US-09-583-110-3252	Sequence 3252, Ap
495	74.5	4.2	491	2	US-09-107-433-4631	Sequence 4631, Ap
496	74.5	4.2	522	1	US-08-625-322-2	Sequence 2, Appl
497	74.5	4.2	547	2	US-09-134-000C-5974	Sequence 5974, Ap
498	74.5	4.2	627	2	US-09-071-035-452	Sequence 452, App
499	74.5	4.2	627	2	US-10-206-576-452	Sequence 452, App
500	74.5	4.2	678	2	US-09-196-270-1	Sequence 1, Appl
501	74.5	4.2	696	2	US-09-134-000C-4874	Sequence 4874, Ap
502	74.5	4.2	752	2	US-08-975-762-61	Sequence 61, Appl
503	74.5	4.2	752	2	US-09-295-028-61	Sequence 61, Appl
504	74.5	4.2	752	2	US-09-106-582-61	Sequence 61, Appl
505	74.5	4.2	752	2	US-09-159-469-61	Sequence 61, Appl
506	74.5	4.2	752	2	US-09-633-542-61	Sequence 61, Appl
507	74.5	4.2	815	2	US-09-196-270-7	Sequence 7, Appl
508	74.5	4.2	823	2	US-09-491-356C-23	Sequence 23, Appl
509	74.5	4.2	846	2	US-09-134-001C-3067	Sequence 3067, Ap
510	74.5	4.2	933	2	US-09-949-016-8386	Sequence 8386, Ap
511	74.5	4.2	953	2	US-09-949-016-8387	Sequence 8387, Ap
512	74.5	4.2	969	2	US-09-949-016-8059	Sequence 8059, Ap
513	74.5	4.2	1053	2	US-08-863-118-3	Sequence 3, Appl
514	74.5	4.2	1313	2	US-09-071-035-450	Sequence 450, App
515	74.5	4.2	1313	2	US-09-071-035-454	Sequence 454, App
516	74.5	4.2	1313	2	US-10-206-576-450	Sequence 450, App
517	74.5	4.2	1313	2	US-10-206-576-454	Sequence 454, App
518	74	4.2	146	2	US-09-732-210-616	Sequence 616, App
519	74	4.2	290	2	US-09-134-001C-3401	Sequence 3401, Ap
520	74	4.2	301	2	US-09-902-540-13071	Sequence 13071, A
521	74	4.2	330	2	US-09-145-391-2	Sequence 2, Appl
522	74	4.2	330	2	US-09-794-591-2	Sequence 2, Appl
523	74	4.2	330	2	US-09-725-945-5	Sequence 5, Appl

524 74 4.2 374 2 US-10-104-047-3578 Sequence 3578, Ap
525 74 4.2 414 2 US-09-248-796A-16417 Sequence 16417, A
526 74 4.2 497 2 US-09-248-796A-16678 Sequence 16678, A
527 74 4.2 648 2 US-10-094-749-3010 Sequence 3010, Ap
528 74 4.2 677 2 US-09-248-796A-16017 Sequence 16017, A
529 74 4.2 692 2 US-10-101-464A-897 Sequence 897, App
530 74 4.2 696 2 US-09-710-279-2922 Sequence 2922, Ap
531 74 4.2 704 2 US-10-104-047-3501 Sequence 3501, Ap
532 74 4.2 789 2 US-09-252-991A-27011 Sequence 27011, A
533 74 4.2 988 2 US-09-079-030-218 Sequence 218, App
534 74 4.2 1183 2 US-09-134-001C-3530 Sequence 3530, Ap
535 74 4.2 1720 3 US-10-433-794-9 Sequence 9, Appl
536 74 4.2 2781 2 US-09-698-295-10 Sequence 10, Appl
537 74 4.2 2867 2 US-09-902-540-12593 Sequence 12593, A
538 74 4.2 3119 1 US-08-246-982A-16 Sequence 16, Appl
539 74 4.2 3119 1 US-08-453-265-16 Sequence 16, Appl
540 74 4.2 3623 2 US-09-341-461-2 Sequence 2, Appl
541 73.5 4.1 123 2 US-09-134-000C-6096 Sequence 6096, Ap
542 73.5 4.1 297 2 US-09-248-796A-22761 Sequence 22761, A
543 73.5 4.1 309 2 US-08-530-862B-8 Sequence 8, Appl
544 73.5 4.1 309 2 US-08-597-313D-8 Sequence 8, Appl
545 73.5 4.1 309 2 US-09-885-189-8 Sequence 8, Appl
546 73.5 4.1 363 1 US-08-914-372C-37 Sequence 37, Appl
547 73.5 4.1 365 1 US-08-447-500-4 Sequence 4, Appl
548 73.5 4.1 365 1 US-08-454-097-4 Sequence 4, Appl
549 73.5 4.1 365 1 US-08-453-866-4 Sequence 4, Appl
550 73.5 4.1 365 2 US-09-100-664A-13 Sequence 13, Appl
551 73.5 4.1 365 2 US-08-185-359-4 Sequence 4, Appl
552 73.5 4.1 365 2 US-09-335-983-13 Sequence 13, Appl
553 73.5 4.1 365 2 US-09-553-867A-13 Sequence 13, Appl
554 73.5 4.1 365 2 US-09-559-867-13 Sequence 13, Appl
555 73.5 4.1 495 2 US-09-543-681A-5589 Sequence 5589, Ap
556 73.5 4.1 499 2 US-08-985-492-14 Sequence 14, Appl
557 73.5 4.1 499 2 US-09-949-016-5906 Sequence 5906, Ap
558 73.5 4.1 499 3 US-09-277-401B-10 Sequence 10, Appl
559 73.5 4.1 608 2 US-09-134-001C-3385 Sequence 3385, Ap
560 73.5 4.1 611 2 US-09-710-279-2586 Sequence 2586, Ap
561 73.5 4.1 657 1 US-08-264-534-34 Sequence 34, Appl
562 73.5 4.1 657 1 US-08-083-590A-13 Sequence 13, Appl
563 73.5 4.1 657 1 US-08-465-500-34 Sequence 34, Appl
564 73.5 4.1 657 1 US-08-346-128-34 Sequence 34, Appl
565 73.5 4.1 657 2 US-08-532-384-13 Sequence 13, Appl
566 73.5 4.1 657 2 US-08-893-828-34 Sequence 34, Appl
567 73.5 4.1 664 2 US-09-248-796A-26707 Sequence 26707, A
568 73.5 4.1 732 2 US-10-070-634-6 Sequence 6, Appl
569 73.5 4.1 746 2 US-09-248-796A-20280 Sequence 20280, A
570 73.5 4.1 749 2 US-09-913-955A-1 Sequence 1, Appl
571 73.5 4.1 749 2 US-09-948-429C-66 Sequence 66, Appl
572 73.5 4.1 803 1 US-08-951-648-4 Sequence 4, Appl
573 73.5 4.1 803 2 US-09-174-437-4 Sequence 4, Appl
574 73.5 4.1 803 2 US-09-686-055A-4 Sequence 4, Appl
575 73.5 4.1 1047 2 US-09-252-991A-29125 Sequence 29125, A
576 73.5 4.1 1180 2 US-09-543-681A-6436 Sequence 6436, Ap
577 73.5 4.1 2471 1 US-08-185-432-16 Sequence 16, Appl
578 73.5 4.1 2471 1 US-08-083-590A-19 Sequence 19, Appl
579 73.5 4.1 2471 2 US-08-532-384-19 Sequence 19, Appl
580 73.5 4.1 2471 2 US-08-899-232-1 Sequence 1, Appl

581 73.5 4.1 2471 2 US-09-121-457-1 Sequence 1, Appl
582 73 4.1 243 2 US-09-248-796A-15919 Sequence 15919, A
583 73 4.1 284 2 US-09-248-796A-24957 Sequence 24957, A
584 73 4.1 318 2 US-09-107-532A-5738 Sequence 5738, Ap
585 73 4.1 321 2 US-09-248-796A-20146 Sequence 20146, A
586 73 4.1 368 2 US-09-902-540-15739 Sequence 15739, A
587 73 4.1 382 1 US-08-872-302-2 Sequence 2, Appl
588 73 4.1 383 2 US-09-059-769-12 Sequence 12, Appl
589 73 4.1 383 2 US-09-161-994A-16 Sequence 16, Appl
590 73 4.1 420 2 US-09-902-540-10528 Sequence 10528, A
591 73 4.1 470 2 US-10-104-047-2022 Sequence 2022, Ap
592 73 4.1 569 2 US-09-618-425-7 Sequence 7, Appl
593 73 4.1 584 2 US-09-270-767-43419 Sequence 43419, A
594 73 4.1 605 2 US-09-248-796A-15879 Sequence 15879, A
595 73 4.1 631 2 US-09-252-991A-26007 Sequence 26007, A
596 73 4.1 648 2 US-09-031-563-5 Sequence 5, Appl
597 73 4.1 648 2 US-09-332-277-5 Sequence 5, Appl
598 73 4.1 648 2 US-09-258-000-5 Sequence 5, Appl
599 73 4.1 807 2 US-09-177-650-3 Sequence 3, Appl
600 73 4.1 884 1 US-08-474-067-8 Sequence 8, Appl
601 73 4.1 884 1 US-08-474-068A-8 Sequence 8, Appl
602 73 4.1 884 1 US-08-472-481-7 Sequence 7, Appl
603 73 4.1 945 2 US-10-037-417-38 Sequence 38, Appl
604 73 4.1 984 2 US-09-328-352-6926 Sequence 6926, Ap
605 73 4.1 1078 2 US-09-248-796A-20284 Sequence 20284, A
606 73 4.1 3892 2 US-09-328-352-5503 Sequence 5503, Ap
607 72.5 4.1 210 2 US-09-957-165-6 Sequence 6, Appl
608 72.5 4.1 367 2 US-09-198-452A-604 Sequence 604, App
609 72.5 4.1 368 2 US-09-540-236-3172 Sequence 3172, Ap
610 72.5 4.1 376 1 US-08-303-238-1 Sequence 1, Appl
611 72.5 4.1 376 2 US-08-458-834-1 Sequence 1, Appl
612 72.5 4.1 385 2 US-09-328-352-4372 Sequence 4372, Ap
613 72.5 4.1 387 2 US-09-133-962A-12 Sequence 12, Appl
614 72.5 4.1 387 2 US-09-697-379-12 Sequence 12, Appl
615 72.5 4.1 387 2 US-10-116-212A-12 Sequence 12, Appl
616 72.5 4.1 387 2 US-10-185-578-2 Sequence 2, Appl
617 72.5 4.1 400 2 US-09-543-681A-5821 Sequence 5821, Ap
618 72.5 4.1 403 2 US-09-438-185A-567 Sequence 567, App
619 72.5 4.1 431 2 US-09-710-279-1474 Sequence 1474, Ap
620 72.5 4.1 450 2 US-09-134-001C-4811 Sequence 4811, Ap
621 72.5 4.1 479 2 US-08-852-782-3 Sequence 3, Appl
622 72.5 4.1 633 2 US-09-949-016-11734 Sequence 11734, A
623 72.5 4.1 639 2 US-09-543-681A-6148 Sequence 6148, A
624 72.5 4.1 645 2 US-10-094-749-2307 Sequence 2307, Ap
625 72.5 4.1 700 2 US-09-976-594-67 Sequence 67, App
626 72.5 4.1 700 2 US-09-538-092-893 Sequence 893, App
627 72.5 4.1 715 2 US-09-252-991A-19235 Sequence 19235, A
628 72.5 4.1 724 2 US-09-252-991A-30884 Sequence 30884, A
629 72.5 4.1 727 2 US-09-487-558B-296 Sequence 296, App
630 72.5 4.1 776 2 US-09-523-849-34 Sequence 34, Appl
631 72.5 4.1 917 2 US-09-438-185A-380 Sequence 380, App
632 72.5 4.1 1156 2 US-09-198-452A-171 Sequence 171, Appl
633 72.5 4.1 1434 1 US-08-540-406-10 Sequence 10, Appl
634 72.5 4.1 1434 2 US-08-656-055-10 Sequence 10, Appl
635 72.5 4.1 1434 2 US-08-954-668-10 Sequence 10, Appl
636 72.5 4.1 1434 2 US-08-918-658-10 Sequence 10, Appl
637 72.5 4.1 1434 2 US-09-724-631-10 Sequence 10, Appl

638	72.5	4.1	1434	2	US-08-954-701A-10	Sequence 10, Appl	695	72	4.0	920	2	US-09-949-016-7178	Sequence 7178, Ap
639	72.5	4.1	1434	2	US-08-754-032-10	Sequence 10, Appl	696	72	4.0	963	1	US-08-537-002A-3	Sequence 3, Appli
640	72.5	4.1	1434	2	US-08-916-140-10	Sequence 10, Appl	697	72	4.0	963	2	US-08-863-010-3	Sequence 3, Appli
641	72.5	4.1	1434	5	PCT-US95-13233-10	Sequence 10, Appl	698	72	4.0	963	2	US-09-024-429-3	Sequence 3, Appli
642	72.5	4.1	1562	2	US-09-438-185A-152	Sequence 152, Appl	699	72	4.0	972	2	US-10-217-613A-3	Sequence 3, Appli
643	72.5	4.1	1744	3	US-09-958-359-22	Sequence 22, Appl	700	72	4.0	1055	2	US-09-031-563-27	Sequence 27, Appl
644	72.5	4.1	2038	3	US-10-433-794-18	Sequence 18, Appl	701	72	4.0	1055	2	US-09-382-277-27	Sequence 27, Appl
645	72.5	4.1	3135	1	US-08-323-1708-2	Sequence 2, Appli	702	72	4.0	1055	2	US-09-258-000-27	Sequence 27, Appl
646	72.5	4.1	3135	1	US-08-954-441-2	Sequence 2, Appli	703	72	4.0	1058	2	US-09-902-540-15976	Sequence 15976, A
647	72.5	4.1	10182	2	US-09-134-001C-3159	Sequence 3159, Ap	704	72	4.0	1177	2	US-09-795-927-2	Sequence 2, Appli
648	72	4.0	131	2	US-09-805-694B-14	Sequence 14, Appl	705	72	4.0	1177	2	US-10-154-419-70	Sequence 70, Appl
649	72	4.0	244	2	US-09-807-258-20	Sequence 20, Appl	706	72	4.0	1259	2	US-09-902-340-16442	Sequence 16442, A
650	72	4.0	270	2	US-09-328-352-4465	Sequence 4465, Ap	707	72	4.0	1315	2	US-09-031-563-2	Sequence 2, Appli
651	72	4.0	322	2	US-09-949-016-8007	Sequence 8007, Ap	708	72	4.0	1315	2	US-09-031-563-25	Sequence 25, Appl
652	72	4.0	375	2	US-09-270-767-39877	Sequence 39877, A	709	72	4.0	1315	2	US-09-293-505-10	Sequence 10, Appl
653	72	4.0	375	2	US-09-270-767-55094	Sequence 55094, A	710	72	4.0	1315	2	US-09-392-277-2	Sequence 2, Appli
654	72	4.0	380	2	US-09-902-540-11937	Sequence 11937, A	711	72	4.0	1315	2	US-09-392-277-25	Sequence 25, Appl
655	72	4.0	382	2	US-08-811-177A-2	Sequence 2, Appli	712	72	4.0	1315	2	US-09-258-000-2	Sequence 2, Appli
656	72	4.0	383	1	US-08-314-596-41	Sequence 41, Appl	713	72	4.0	1315	2	US-09-258-000-25	Sequence 25, Appl
657	72	4.0	383	1	US-08-320-982-41	Sequence 41, Appl	714	72	4.0	1315	2	US-09-060-939A-10	Sequence 10, Appl
658	72	4.0	383	2	US-08-819-037-41	Sequence 41, Appl	715	72	4.0	2304	2	US-09-324-867-4	Sequence 4, Appli
659	72	4.0	383	2	US-08-530-862B-6	Sequence 6, Appli	716	71.5	4.0	265	2	US-09-795-926-6	Sequence 6, Appli
660	72	4.0	383	2	US-08-597-313D-6	Sequence 6, Appli	717	71.5	4.0	265	2	US-10-364-774-6	Sequence 6, Appli
661	72	4.0	383	2	US-09-059-769-9	Sequence 9, Appli	718	71.5	4.0	273	2	US-09-252-991A-25511	Sequence 25511, A
662	72	4.0	383	2	US-09-161-994A-14	Sequence 14, Appl	719	71.5	4.0	287	1	US-08-622-353-7	Sequence 7, Appli
663	72	4.0	383	2	US-09-133-962A-2	Sequence 2, Appl	720	71.5	4.0	287	1	US-08-622-352A-9	Sequence 9, Appli
664	72	4.0	383	2	US-09-045-940-41	Sequence 41, Appl	721	71.5	4.0	287	2	US-08-826-390-9	Sequence 9, Appli
665	72	4.0	383	2	US-09-763-331-4	Sequence 4, Appli	722	71.5	4.0	303	2	US-09-795-926-2	Sequence 2, Appli
666	72	4.0	383	2	US-09-697-379-2	Sequence 2, Appli	723	71.5	4.0	303	2	US-10-364-774-2	Sequence 2, Appli
667	72	4.0	383	2	US-10-116-212A-2	Sequence 2, Appli	724	71.5	4.0	306	2	US-10-037-417-89	Sequence 89, Appl
668	72	4.0	383	2	US-09-885-189-6	Sequence 6, Appli	725	71.5	4.0	306	2	US-10-037-417-90	Sequence 90, Appl
669	72	4.0	383	2	US-09-837-751-32	Sequence 32, Appl	726	71.5	4.0	361	2	US-08-914-372C-7	Sequence 7, Appli
670	72	4.0	384	2	US-09-354-231B-16	Sequence 16, Appl	727	71.5	4.0	364	2	US-08-914-372C-10	Sequence 10, Appl
671	72	4.0	384	2	US-09-128-602B-16	Sequence 16, Appl	728	71.5	4.0	411	2	US-09-506-078-23	Sequence 23, Appl
672	72	4.0	384	2	US-09-995-297-16	Sequence 16, Appl	729	71.5	4.0	431	2	US-09-248-796A-17260	Sequence 17260, A
673	72	4.0	384	2	US-09-771-904A-16	Sequence 16, Appl	730	71.5	4.0	442	2	US-09-506-078-27	Sequence 27, Appl
674	72	4.0	392	2	US-09-711-164-375	Sequence 375, App	731	71.5	4.0	453	2	US-09-543-681A-5871	Sequence 5871, Ap
675	72	4.0	397	2	US-09-252-991A-20668	Sequence 20668, A	732	71.5	4.0	474	2	US-10-094-749-3090	Sequence 3090, Ap
676	72	4.0	400	1	US-08-878-989-17	Sequence 17, Appl	733	71.5	4.0	480	2	US-09-999-933A-385	Sequence 385, App
677	72	4.0	400	2	US-09-272-796-17	Sequence 17, Appl	734	71.5	4.0	480	2	US-10-020-445A-385	Sequence 385, App
678	72	4.0	400	2	US-09-543-681A-6151	Sequence 6151, Ap	735	71.5	4.0	480	2	US-09-978-189-385	Sequence 385, App
679	72	4.0	439	2	US-09-248-796A-15969	Sequence 15969, A	736	71.5	4.0	480	2	US-10-017-085A-385	Sequence 385, App
680	72	4.0	462	2	US-09-252-991A-17536	Sequence 17536, A	737	71.5	4.0	480	3	US-10-145-129A-385	Sequence 385, App
681	72	4.0	474	2	US-09-248-796A-19995	Sequence 19995, A	738	71.5	4.0	480	3	US-10-013-929A-385	Sequence 385, App
682	72	4.0	479	2	US-09-198-452A-763	Sequence 763, App	739	71.5	4.0	480	3	US-10-013-917A-385	Sequence 385, App
683	72	4.0	479	2	US-09-438-185A-718	Sequence 718, App	740	71.5	4.0	502	2	US-09-949-016-10424	Sequence 10424, A
684	72	4.0	498	2	US-09-902-540-10459	Sequence 10459, A	741	71.5	4.0	519	2	US-08-936-171E-5230	Sequence 5230, Ap
685	72	4.0	524	2	US-09-625-188-2	Sequence 2, Appli	742	71.5	4.0	519	2	US-08-781-986A-5230	Sequence 5230, Ap
686	72	4.0	556	2	US-09-949-016-7134	Sequence 7134, Ap	743	71.5	4.0	560	2	US-09-614-912-130	Sequence 130, App
687	72	4.0	588	2	US-09-583-110-4288	Sequence 4288, Ap	744	71.5	4.0	635	2	US-09-252-991A-21514	Sequence 21514, A
688	72	4.0	638	2	US-09-134-000C-4864	Sequence 4864, Ap	745	71.5	4.0	646	2	US-09-270-767-46432	Sequence 46432, A
689	72	4.0	647	2	US-09-031-563-7	Sequence 7, Appli	746	71.5	4.0	703	2	US-08-646-273-25	Sequence 25, Appl
690	72	4.0	647	2	US-09-392-277-7	Sequence 7, Appli	747	71.5	4.0	749	2	US-09-562-737-95	Sequence 95, Appl
691	72	4.0	647	2	US-09-258-000-7	Sequence 7, Appli	748	71.5	4.0	753	2	US-08-646-273-36	Sequence 36, Appl
692	72	4.0	656	2	US-09-538-092-654	Sequence 654, App	749	71.5	4.0	758	2	US-09-198-452A-996	Sequence 996, App
693	72	4.0	680	2	US-09-107-532A-4798	Sequence 4798, Ap	750	71.5	4.0	770	2	US-09-949-002-320	Sequence 320, App
694	72	4.0	714	1	US-08-472-534-3	Sequence 3, Appli	751	71.5	4.0	770	2	US-09-948-429C-64	Sequence 64, Appl

752	71.5	4.0	810	2	US-09-489-039A-9748	Sequence 9748, Ap	809	71	4.0	1543	2	US-09-904-987-7	Sequence 7, Appli
753	71.5	4.0	810	2	US-09-949-002-444	Sequence 444, App	810	71	4.0	1626	2	US-09-252-991A-23805	Sequence 23805, A
754	71.5	4.0	876	1	US-08-717-515-4	Sequence 4, Appli	811	71	4.0	2319	1	US-08-212-133A-8	Sequence 8, Appli
755	71.5	4.0	915	2	US-08-198-452A-395	Sequence 395, App	812	71	4.0	2319	1	US-08-474-503-6	Sequence 6, Appli
756	71.5	4.0	934	2	US-09-996-611D-1	Sequence 1, Appli	813	71	4.0	2319	1	US-08-670-707A-6	Sequence 6, Appli
757	71.5	4.0	1084	1	US-08-717-515-6	Sequence 6, Appli	814	71	4.0	2319	2	US-09-037-601-6	Sequence 6, Appli
758	71.5	4.0	1165	1	US-08-240-357-2	Sequence 2, Appli	815	71	4.0	2319	2	US-09-315-179-6	Sequence 6, Appli
759	71.5	4.0	1233	2	US-09-194-613-5	Sequence 5, Appli	816	71	4.0	2319	2	US-09-523-656-28	Sequence 28, Appl
760	71.5	4.0	1276	1	US-08-717-515-8	Sequence 8, Appli	817	71	4.0	2319	3	US-10-167-319-6	GENERAL INFOR
761	71.5	4.0	1436	1	US-08-652-971-2	Sequence 2, Appli	818	71	4.0	2319	3	US-10-131-510A-6	Sequence 6, Appli
762	71.5	4.0	1436	1	US-08-991-258A-2	Sequence 2, Appli	819	71	4.0	2319	5	PCT-US94-13200-6	Sequence 6, Appli
763	71.5	4.0	1436	1	US-08-769-399-2	Sequence 2, Appli	820	71	4.0	3144	1	US-08-246-982A-6	Sequence 6, Appli
764	71.5	4.0	1436	2	US-08-991-953A-2	Sequence 2, Appli	821	71	4.0	3144	1	US-08-453-265-6	Sequence 6, Appli
765	71.5	4.0	1724	2	US-09-607-510-2	Sequence 2, Appli	822	71	4.0	3144	1	US-08-457-273B-42	Sequence 42, Appl
766	71.5	4.0	2017	3	US-10-114-270-86	Sequence 86, Appl	823	71	4.0	3144	2	US-08-556-419-21	Sequence 21, Appl
767	71	4.0	171	2	US-09-996-611D-2	Sequence 2, Appli	824	71	4.0	3144	2	US-09-041-886-15	Sequence 15, Appl
768	71	4.0	236	2	US-09-134-000C-4896	Sequence 4896, Ap	825	71	4.0	3144	2	US-09-538-092-1118	Sequence 1118, Ap
769	71	4.0	250	2	US-09-853-450-30	Sequence 30, Appl	826	70.5	4.0	219	2	US-09-648-004-16	Sequence 16, Appl
770	71	4.0	250	2	US-09-869-582-7	Sequence 7, Appli	827	70.5	4.0	219	2	US-10-272-419-16	Sequence 16, Appl
771	71	4.0	341	2	US-09-252-991A-18743	Sequence 18743, A	828	70.5	4.0	255	1	US-08-592-214A-10	Sequence 10, Appl
772	71	4.0	400	1	US-08-878-989-3	Sequence 3, Appli	829	70.5	4.0	255	2	US-08-659-188-10	Sequence 10, Appl
773	71	4.0	400	2	US-09-272-796-3	Sequence 3, Appli	830	70.5	4.0	255	2	US-08-655-227-10	Sequence 10, Appl
774	71	4.0	400	2	US-10-101-464A-939	Sequence 939, App	831	70.5	4.0	255	2	US-08-655-241-10	Sequence 10, Appl
775	71	4.0	469	1	US-08-363-215-1	Sequence 1, Appli	832	70.5	4.0	255	2	US-09-149-976-10	Sequence 10, Appl
776	71	4.0	469	2	US-08-367-342B-6	Sequence 6, Appli	833	70.5	4.0	255	2	US-09-398-326-10	Sequence 10, Appl
777	71	4.0	474	2	US-09-328-352-5724	Sequence 5724, Ap	834	70.5	4.0	255	2	US-09-853-450-10	Sequence 10, Appl
778	71	4.0	475	2	US-09-252-991A-26219	Sequence 26219, A	835	70.5	4.0	262	2	US-09-270-767-41926	Sequence 41926, A
779	71	4.0	513	2	US-09-041-886-28	Sequence 28, Appl	836	70.5	4.0	286	2	US-09-205-258-1012	Sequence 1012, Ap
780	71	4.0	530	2	US-09-041-886-29	Sequence 29, Appl	837	70.5	4.0	286	2	US-10-004-860-1012	Sequence 1012, Ap
781	71	4.0	538	2	US-09-457-040B-23	Sequence 23, Appl	838	70.5	4.0	286	2	US-10-094-749-2862	Sequence 2862, Ap
782	71	4.0	552	2	US-09-041-886-30	Sequence 30, Appl	839	70.5	4.0	341	2	US-09-401-636-3	Sequence 3, Appli
783	71	4.0	570	2	US-10-104-047-2718	Sequence 2718, Ap	840	70.5	4.0	349	7	5510466-2	Patent No. 5510466
784	71	4.0	589	2	US-09-041-886-31	Sequence 31, Appl	841	70.5	4.0	355	2	US-09-811-673-2	Sequence 2, Appli
785	71	4.0	593	2	US-08-964-268-2	Sequence 2, Appli	842	70.5	4.0	388	1	US-08-232-519-2	Sequence 2, Appli
786	71	4.0	593	2	US-09-105-256-2	Sequence 2, Appli	843	70.5	4.0	388	1	US-08-456-956-2	Sequence 2, Appli
787	71	4.0	593	2	US-10-413-536-2	Sequence 2, Appli	844	70.5	4.0	390	2	US-09-107-532A-4749	Sequence 4749, Ap
788	71	4.0	598	2	US-09-583-110-3070	Sequence 3070, Ap	845	70.5	4.0	411	2	US-09-688-069-114	Sequence 114, App
789	71	4.0	604	2	US-09-107-433-4348	Sequence 4348, Ap	846	70.5	4.0	439	2	US-10-104-047-3650	Sequence 3650, Ap
790	71	4.0	635	2	US-09-538-092-1	Sequence 1, Appli	847	70.5	4.0	453	7	5510466-4	Patent No. 5510466
791	71	4.0	650	2	US-09-252-991A-17330	Sequence 17330, A	848	70.5	4.0	461	2	US-09-252-991A-19307	Sequence 19307, A
792	71	4.0	706	1	US-08-484-105-16	Sequence 16, Appl	849	70.5	4.0	485	2	US-09-543-681A-7443	Sequence 7443, Ap
793	71	4.0	706	1	US-08-484-106-16	Sequence 16, Appl	850	70.5	4.0	493	2	US-08-979-847B-106	Sequence 106, App
794	71	4.0	722	2	US-09-252-991A-27003	Sequence 27003, A	851	70.5	4.0	506	2	US-08-942-012B-26	Sequence 26, Appl
795	71	4.0	724	2	US-09-724-653-9	Sequence 9, Appli	852	70.5	4.0	506	2	US-09-252-991A-27119	Sequence 27119, A
796	71	4.0	736	2	US-09-949-016-8076	Sequence 8076, Ap	853	70.5	4.0	507	2	US-09-252-991A-23541	Sequence 23541, A
797	71	4.0	738	2	US-09-538-092-818	Sequence 818, App	854	70.5	4.0	617	2	US-09-252-991A-22318	Sequence 22318, A
798	71	4.0	765	2	US-10-281-867-2	Sequence 2, Appli	855	70.5	4.0	626	2	US-09-949-016-6776	Sequence 6776, Ap
799	71	4.0	836	2	US-09-252-991A-19778	Sequence 19778, A	856	70.5	4.0	700	2	US-09-902-540-11256	Sequence 11256, A
800	71	4.0	877	2	US-09-492-709A-353	Sequence 353, App	857	70.5	4.0	770	2	US-10-104-047-2533	Sequence 2533, Ap
801	71	4.0	895	1	US-08-123-161A-8	Sequence 8, Appli	858	70.5	4.0	773	2	US-09-252-991A-19916	Sequence 19916, A
802	71	4.0	895	1	US-08-483-278-8	Sequence 8, Appli	859	70.5	4.0	848	2	US-09-491-356C-22	Sequence 22, Appl
803	71	4.0	895	2	US-09-949-016-6490	Sequence 6490, Ap	860	70.5	4.0	850	2	US-09-328-352-6363	Sequence 6363, Ap
804	71	4.0	908	2	US-09-949-016-8542	Sequence 8542, Ap	861	70.5	4.0	971	2	US-09-538-092-1332	Sequence 1332, Ap
805	71	4.0	1092	2	US-09-252-991A-28476	Sequence 28476, A	862	70.5	4.0	1113	1	US-09-618-425-9	Sequence 9, Appli
806	71	4.0	1099	2	US-09-949-002-561	Sequence 561, App	863	70.5	4.0	1118	2	US-08-724-354D-2	Sequence 2, Appli
807	71	4.0	1400	2	US-09-949-002-344	Sequence 344, App	864	70.5	4.0	1118	2	US-09-270-984A-2	Sequence 2, Appli
808	71	4.0	1531	2	US-09-949-016-6740	Sequence 6740, Ap	865	70.5	4.0	1183	2	US-09-248-796A-14987	Sequence 14987, A

866	70.5	4.0	1315	2	US-09-902-540-16086	Sequence 16086, A	923	70	3.9	1190	2	US-09-048-887-2	Sequence 2, Appli
867	70.5	4.0	1376	2	US-09-252-991A-29515	Sequence 29515, A	924	70	3.9	1455	1	US-08-726-012B-2	Sequence 2, Appli
868	70.5	4.0	1447	1	US-08-540-406-19	Sequence 19, Appl	925	70	3.9	1527	2	US-09-376-330-2	Sequence 2, Appli
869	70.5	4.0	1447	2	US-08-656-055-19	Sequence 19, Appl	926	69.5	3.9	108	2	US-09-199-637A-391	Sequence 391, App
870	70.5	4.0	1447	2	US-08-954-668-19	Sequence 19, Appl	927	69.5	3.9	131	2	US-09-805-694B-12	Sequence 12, Appl
871	70.5	4.0	1447	2	US-09-268-140-5	Sequence 5, Appli	928	69.5	3.9	157	2	US-09-270-767-32528	Sequence 32528, A
872	70.5	4.0	1447	2	US-08-918-658-19	Sequence 19, Appl	929	69.5	3.9	223	2	US-09-949-016-10045	Sequence 10045, A
873	70.5	4.0	1447	2	US-09-724-631-19	Sequence 19, Appl	930	69.5	3.9	285	2	US-09-886-319A-82	Sequence 82, Appl
874	70.5	4.0	1447	2	US-08-954-701A-19	Sequence 19, Appl	931	69.5	3.9	296	2	US-09-248-796A-16691	Sequence 16691, A
875	70.5	4.0	1447	2	US-09-807-007-6	Sequence 6, Appli	932	69.5	3.9	344	2	US-08-134-001C-4175	Sequence 4175, Ap
876	70.5	4.0	1447	2	US-09-754-032-19	Sequence 19, Appl	933	69.5	3.9	346	2	US-09-199-637A-313	Sequence 313, App
877	70.5	4.0	1447	2	US-08-916-140-19	Sequence 19, Appl	934	69.5	3.9	355	2	US-09-616-506-3	Sequence 3, Appli
878	70.5	4.0	1447	5	PCT-US95-13233-19	Sequence 19, Appl	935	69.5	3.9	355	2	US-09-616-506-4	Sequence 4, Appli
879	70.5	4.0	1586	2	US-09-543-681A-5329	Sequence 5329, Ap	936	69.5	3.9	355	2	US-09-574-377-31	Sequence 31, Appl
880	70.5	4.0	1778	2	US-09-252-991A-18159	Sequence 18159, A	937	69.5	3.9	355	2	US-09-811-673-4	Sequence 4, Appli
881	70	3.9	278	2	US-09-248-796A-20610	Sequence 20610, A	938	69.5	3.9	355	2	US-10-184-194-31	Sequence 31, Appl
882	70	3.9	288	2	US-09-270-767-42632	Sequence 42632, A	939	69.5	3.9	364	2	US-09-270-767-43896	Sequence 43896, A
883	70	3.9	301	2	US-08-957-610A-703	Sequence 703, App	940	69.5	3.9	375	2	US-09-638-937-13	Sequence 13, Appl
884	70	3.9	306	2	US-09-252-991A-20009	Sequence 20009, A	941	69.5	3.9	376	2	US-09-538-092-1276	Sequence 1276, Ap
885	70	3.9	323	2	US-09-543-681A-6916	Sequence 6916, Ap	942	69.5	3.9	380	1	US-08-585-758A-4	Sequence 4, Appli
886	70	3.9	343	2	US-09-252-991A-26240	Sequence 26240, A	943	69.5	3.9	380	1	US-08-977-818-4	Sequence 4, Appli
887	70	3.9	368	2	US-09-000-092-2	Sequence 2, Appli	944	69.5	3.9	380	1	US-08-670-274B-4	Sequence 4, Appli
888	70	3.9	368	2	US-09-000-092-4	Sequence 4, Appli	945	69.5	3.9	380	2	US-09-146-187-4	Sequence 4, Appli
889	70	3.9	368	2	US-09-000-092-8	Sequence 8, Appli	946	69.5	3.9	380	2	US-09-804-690-4	Sequence 4, Appli
890	70	3.9	368	3	US-09-000-092-10	Sequence 10, Appl	947	69.5	3.9	387	1	US-08-837-593-4	Sequence 4, Appli
891	70	3.9	390	3	US-10-162-335-82	Sequence 82, Appl	948	69.5	3.9	388	1	US-08-894-772-2	Sequence 2, Appli
892	70	3.9	419	2	US-09-276-438-13	Sequence 13, Appl	949	69.5	3.9	388	1	US-09-207-844-2	Sequence 2, Appli
893	70	3.9	466	2	US-10-094-749-3131	Sequence 3131, Ap	950	69.5	3.9	388	2	US-09-248-796A-23255	Sequence 23255, A
894	70	3.9	543	1	US-08-224-482-4	Sequence 4, Appli	951	69.5	3.9	390	1	US-08-786-999-1	Sequence 1, Appli
895	70	3.9	543	2	US-09-702-705-337	Sequence 337, App	952	69.5	3.9	390	2	US-09-216-387-1	Sequence 2, Appli
896	70	3.9	543	2	US-09-736-457-337	Sequence 337, App	953	69.5	3.9	390	2	US-09-886-319A-2	Sequence 2, Appli
897	70	3.9	543	2	US-09-614-124B-337	Sequence 337, App	954	69.5	3.9	393	2	US-10-126-279-2	Sequence 2, Appli
898	70	3.9	543	2	US-09-671-325-337	Sequence 337, App	955	69.5	3.9	393	2	US-10-286-606-2	Sequence 2, Appli
899	70	3.9	543	2	US-09-589-184-337	Sequence 337, App	956	69.5	3.9	394	2	US-10-891-383A-2	Sequence 2, Appli
900	70	3.9	543	2	US-09-658-824-337	Sequence 337, App	957	69.5	3.9	403	2	US-09-949-016-11251	Sequence 11251, A
901	70	3.9	543	2	US-09-538-092-953	Sequence 953, App	958	69.5	3.9	438	2	US-09-902-540-10924	Sequence 10924, A
902	70	3.9	543	2	US-10-017-754-337	Sequence 337, App	959	69.5	3.9	472	2	US-09-252-991A-32479	Sequence 32479, A
903	70	3.9	543	2	US-09-651-563-337	Sequence 337, App	960	69.5	3.9	494	2	US-09-614-912-128	Sequence 128, App
904	70	3.9	543	2	US-09-519-642-337	Sequence 337, App	961	69.5	3.9	552	2	US-09-270-767-33451	Sequence 33451, A
905	70	3.9	543	2	US-09-648-389A-3	Sequence 3, Appli	962	69.5	3.9	552	2	US-09-270-767-48668	Sequence 48668, A
906	70	3.9	543	2	US-09-648-389A-5	Sequence 5, Appli	963	69.5	3.9	587	1	US-07-955-905A-23	Sequence 23, Appl
907	70	3.9	601	2	US-10-104-047-3005	Sequence 3005, Ap	964	69.5	3.9	602	2	US-09-257-490-15	Sequence 15, Appl
908	70	3.9	605	2	US-09-394-645-2	Sequence 2, Appli	965	69.5	3.9	632	1	US-08-443-104-4	Sequence 4, Appli
909	70	3.9	605	2	US-09-243-560B-2	Sequence 2, Appli	966	69.5	3.9	632	1	US-08-442-859-4	Sequence 4, Appli
910	70	3.9	605	2	US-09-832-129-37	Sequence 37, Appl	967	69.5	3.9	632	1	US-08-398-489-4	Sequence 4, Appli
911	70	3.9	625	2	US-09-186-270-6	Sequence 6, Appli	968	69.5	3.9	632	5	PCT-US93-05534-4	Sequence 4, Appli
912	70	3.9	625	2	US-09-538-092-377	Sequence 377, App	969	69.5	3.9	640	2	US-09-248-796A-16129	Sequence 16129, A
913	70	3.9	625	2	US-09-487-558B-294	Sequence 294, App	970	69.5	3.9	665	2	US-09-248-796A-14200	Sequence 14200, A
914	70	3.9	654	2	US-10-094-749-1854	Sequence 1854, Ap	971	69.5	3.9	718	2	US-09-252-991A-28229	Sequence 28229, A
915	70	3.9	656	2	US-09-248-796A-15211	Sequence 15211, A	972	69.5	3.9	824	1	US-08-785-310A-7	Sequence 7, Appli
916	70	3.9	666	2	US-10-104-047-3618	Sequence 3618, Ap	973	69.5	3.9	854	2	US-09-266-551-16	Sequence 16, Appl
917	70	3.9	703	2	US-09-433-043B-124	Sequence 124, App	974	69.5	3.9	863	2	US-09-894-927B-9	Sequence 9, Appli
918	70	3.9	760	2	US-09-107-532A-5490	Sequence 5490, Ap	975	69.5	3.9	879	2	US-09-872-733A-16	Sequence 16, Appl
919	70	3.9	876	2	US-09-605-703B-1640	Sequence 1640, Ap	976	69.5	3.9	905	2	US-09-902-540-10223	Sequence 10223, A
920	70	3.9	1007	2	US-09-538-092-736	Sequence 736, App	977	69.5	3.9	906	2	US-09-107-532A-6450	Sequence 6450, Ap
921	70	3.9	1088	2	US-09-233-857-4	Sequence 4, Appli	978	69.5	3.9	923	2	US-09-270-767-45546	Sequence 45546, A
922	70	3.9	1190	1	US-08-337-690A-2	Sequence 2, Appli	979	69.5	3.9	972	2	US-09-469-200B-9	Sequence 9, Appli

980	69.5	3.9	972	2	US-10-172-527A-10	Sequence 10, Appl	1037	69	3.9	608	2	US-09-134-001C-3855	Sequence 3855, Ap
981	69.5	3.9	972	2	US-10-217-613A-1	Sequence 1, Appl	1038	69	3.9	611	2	US-09-248-796A-16130	Sequence 16130, A
982	69.5	3.9	972	2	US-10-011-768B-9	Sequence 9, Appl	1039	69	3.9	647	2	US-09-543-681A-5240	Sequence 5240, Ap
983	69.5	3.9	972	3	US-11-120-422-10	Sequence 10, Appl	1040	69	3.9	660	2	US-09-462-606-54	Sequence 54, Appl
984	69.5	3.9	1233	2	US-09-605-703B-2698	Sequence 2698, Ap	1041	69	3.9	662	2	US-09-252-991A-18392	Sequence 18392, A
985	69.5	3.9	1264	1	US-07-789-915A-6	Sequence 6, Appl	1042	69	3.9	667	2	US-09-923-684-3	Sequence 3, Appl
986	69.5	3.9	1264	1	US-08-005-002C-6	Sequence 6, Appl	1043	69	3.9	729	2	US-09-625-188-20	Sequence 20, Appl
987	69.5	3.9	1264	1	US-08-487-203A-6	Sequence 6, Appl	1044	69	3.9	744	2	US-09-785-381-1	Sequence 1, Appl
988	69.5	3.9	1484	2	US-09-902-540-14332	Sequence 14332, A	1045	69	3.9	770	2	US-09-270-767-43871	Sequence 43871, A
989	69.5	3.9	1493	2	US-09-713-273A-20	Sequence 20, Appl	1046	69	3.9	797	2	US-09-949-016-6761	Sequence 6761, Ap
990	69	3.9	222	1	US-08-927-230A-2	Sequence 2, Appl	1047	69	3.9	915	2	US-09-817-514A-6	Sequence 6, Appl
991	69	3.9	222	1	US-09-151-052-2	Sequence 2, Appl	1048	69	3.9	935	2	US-09-271-438A-3	Sequence 3, Appl
992	69	3.9	238	2	US-09-270-767-33105	Sequence 33105, A	1049	69	3.9	935	2	US-09-271-438A-8	Sequence 8, Appl
993	69	3.9	238	2	US-09-270-767-48322	Sequence 48322, A	1050	69	3.9	935	2	US-10-078-107-1	Sequence 1, Appl
994	69	3.9	301	2	US-09-270-767-40023	Sequence 40023, A	1051	69	3.9	935	2	US-10-077-751-1	Sequence 1, Appl
995	69	3.9	301	2	US-09-270-767-55239	Sequence 55239, A	1052	69	3.9	935	2	US-09-641-892B-3	Sequence 3, Appl
996	69	3.9	305	2	US-09-902-540-11093	Sequence 11093, A	1053	69	3.9	951	2	US-09-328-352-4456	Sequence 4456, Ap
997	69	3.9	323	2	US-10-012-231A-210	Sequence 210, App	1054	69	3.9	965	2	US-09-437-277-3	Sequence 3, Appl
998	69	3.9	323	2	US-10-015-389A-210	Sequence 210, App	1055	69	3.9	972	2	US-10-217-613A-7	Sequence 7, Appl
999	69	3.9	323	2	US-10-006-768A-210	Sequence 210, App	1056	69	3.9	976	1	US-08-449-645A-18	Sequence 18, Appl
1000	69	3.9	323	2	US-10-015-671A-210	Sequence 210, App	1057	69	3.9	976	1	US-08-702-367A-18	Sequence 18, Appl
1001	69	3.9	323	2	US-10-015-393A-210	Sequence 210, App	1058	69	3.9	976	2	US-09-949-016-6499	Sequence 6499, Ap
1002	69	3.9	323	2	US-10-011-833A-210	Sequence 210, App	1059	69	3.9	976	2	US-09-378-759-18	Sequence 18, Appl
1003	69	3.9	323	2	US-10-006-041A-210	Sequence 210, App	1060	69	3.9	976	5	PCT-US95-04681-18	Sequence 8, Appl
1004	69	3.9	323	2	US-10-012-064A-210	Sequence 210, App	1061	69	3.9	977	1	US-08-673-789-8	Sequence 8, Appl
1005	69	3.9	323	2	US-10-015-392A-210	Sequence 210, App	1062	69	3.9	1013	2	US-09-949-016-7991	Sequence 7991, Ap
1006	69	3.9	323	3	US-10-011-795B-210	Sequence 210, App	1063	69	3.9	1016	2	US-09-252-991A-25429	Sequence 25429, A
1007	69	3.9	323	3	US-10-015-386A-210	Sequence 210, App	1064	69	3.9	1137	2	US-09-902-481B-3	Sequence 3, Appl
1008	69	3.9	323	3	US-10-012-121A-210	Sequence 210, App	1065	69	3.9	1137	2	US-09-902-481B-4	Sequence 4, Appl
1009	69	3.9	323	3	US-10-006-485A-210	Sequence 210, App	1066	69	3.9	1137	2	US-09-902-481B-5	Sequence 5, Appl
1010	69	3.9	323	3	US-10-006-746A-210	Sequence 210, App	1067	69	3.9	1137	2	US-09-902-481B-6	Sequence 6, Appl
1011	69	3.9	323	3	US-10-012-752A-210	Sequence 210, App	1068	69	3.9	1142	1	US-08-993-118-7	Sequence 7, Appl
1012	69	3.9	323	3	US-10-017-253A-210	Sequence 210, App	1069	69	3.9	1142	2	US-08-845-528C-7	Sequence 7, Appl
1013	69	3.9	323	3	US-10-015-519A-210	Sequence 210, App	1070	69	3.9	1142	2	US-09-061-709-2	Sequence 2, Appl
1014	69	3.9	323	3	US-10-015-715A-210	Sequence 210, App	1071	69	3.9	1142	2	US-09-066-281B-7	Sequence 7, Appl
1015	69	3.9	323	3	US-10-007-236A-210	Sequence 210, App	1072	69	3.9	1142	2	US-09-899-651-2	Sequence 2, Appl
1016	69	3.9	334	2	US-09-198-452A-70	Sequence 70, Appl	1073	69	3.9	1142	2	US-09-468-433C-7	Sequence 7, Appl
1017	69	3.9	364	2	US-08-755-665-64	Sequence 64, Appl	1074	69	3.9	1142	2	US-09-392-714-26	Sequence 26, Appl
1018	69	3.9	390	2	US-10-245-227D-2	Sequence 2, Appl	1075	69	3.9	1142	2	US-09-270-437D-2	Sequence 2, Appl
1019	69	3.9	393	1	US-08-837-593-2	Sequence 2, Appl	1076	69	3.9	1142	3	US-10-160-237-7	Sequence 7, Appl
1020	69	3.9	395	2	US-09-755-665-34	Sequence 34, Appl	1077	69	3.9	1153	1	US-08-173-497-3	Sequence 3, Appl
1021	69	3.9	400	1	US-08-530-950-12	Sequence 12, Appl	1078	69	3.9	1153	1	US-08-286-889-3	Sequence 3, Appl
1022	69	3.9	400	2	US-08-888-429A-12	Sequence 12, Appl	1079	69	3.9	1153	1	US-08-485-618-3	Sequence 3, Appl
1023	69	3.9	400	2	US-09-149-879-12	Sequence 12, Appl	1080	69	3.9	1153	1	US-08-362-652-3	Sequence 3, Appl
1024	69	3.9	400	2	US-09-057-009-12	Sequence 12, Appl	1081	69	3.9	1153	1	US-08-605-672-3	Sequence 3, Appl
1025	69	3.9	400	2	US-09-593-653-12	Sequence 12, Appl	1082	69	3.9	1153	1	US-08-482-293A-3	Sequence 3, Appl
1026	69	3.9	400	2	US-09-134-000C-3791	Sequence 3791, Ap	1083	69	3.9	1153	1	US-08-943-363-3	Sequence 3, Appl
1027	69	3.9	461	2	US-09-328-352-7746	Sequence 7746, Ap	1084	69	3.9	1153	2	US-09-183-043-3	Sequence 3, Appl
1028	69	3.9	484	2	US-10-104-047-2240	Sequence 2240, Ap	1085	69	3.9	1153	2	US-09-688-307A-3	Sequence 3, Appl
1029	69	3.9	567	2	US-09-583-110-4823	Sequence 4823, Ap	1086	69	3.9	1153	2	US-09-350-259-3	Sequence 3, Appl
1030	69	3.9	570	2	US-09-923-684-4	Sequence 4, Appl	1087	69	3.9	1153	2	US-09-902-481B-1	Sequence 1, Appl
1031	69	3.9	576	2	US-09-107-433-4103	Sequence 4103, Ap	1088	69	3.9	1296	2	US-08-857-636-60	Sequence 60, Appl
1032	69	3.9	579	2	US-09-902-540-16017	Sequence 16017, A	1089	69	3.9	1358	2	US-08-943-144-2	Sequence 2, Appl
1033	69	3.9	599	1	US-08-222-619-2	Sequence 2, Appl	1090	69	3.9	1508	2	US-10-154-419-47	Sequence 47, Appl
1034	69	3.9	599	2	US-08-221-767-24	Sequence 24, Appl	1091	69	3.9	1508	2	US-10-154-419-85	Sequence 85, Appl
1035	69	3.9	599	5	PCT-US95-04075-2	Sequence 2, Appl	1092	69	3.9	1739	2	US-09-976-594-76	Sequence 76, Appl
1036	69	3.9	604	2	US-09-902-540-14691	Sequence 14691, A	1093	69	3.9	1739	2	US-09-538-092-824	Sequence 824, App

980	69.5	3.9	972	2	US-10-172-527A-10	Sequence 10, Appl	1037	69	3.9	608	2	US-09-134-001C-3855	Sequence 3855, Ap
981	69.5	3.9	972	2	US-10-217-613A-1	Sequence 1, Appl	1038	69	3.9	611	2	US-09-248-796A-16130	Sequence 16130, A
982	69.5	3.9	972	2	US-10-011-768B-9	Sequence 9, Appl	1039	69	3.9	647	2	US-09-543-681A-5240	Sequence 5240, Ap
983	69.5	3.9	972	3	US-11-120-422-10	Sequence 10, Appl	1040	69	3.9	660	2	US-09-462-606-54	Sequence 54, Appl
984	69.5	3.9	1233	2	US-09-605-703B-2698	Sequence 2698, Ap	1041	69	3.9	662	2	US-09-252-991A-18392	Sequence 18392, A
985	69.5	3.9	1264	1	US-07-789-915A-6	Sequence 6, Appl	1042	69	3.9	667	2	US-09-923-684-3	Sequence 3, Appl
986	69.5	3.9	1264	1	US-08-005-002C-6	Sequence 6, Appl	1043	69	3.9	729	2	US-09-625-188-20	Sequence 20, Appl
987	69.5	3.9	1264	1	US-08-487-203A-6	Sequence 6, Appl	1044	69	3.9	744	2	US-09-785-381-1	Sequence 1, Appl
988	69.5	3.9	1484	2	US-09-902-540-14332	Sequence 14332, A	1045	69	3.9	770	2	US-09-270-767-43871	Sequence 43871, A
989	69.5	3.9	1493	2	US-09-713-273A-20	Sequence 20, Appl	1046	69	3.9	797	2	US-09-949-016-6761	Sequence 6761, Ap
990	69	3.9	222	1	US-08-927-230A-2	Sequence 2, Appl	1047	69	3.9	915	2	US-09-817-514A-6	Sequence 6, Appl
991	69	3.9	222	1	US-09-151-052-2	Sequence 2, Appl	1048	69	3.9	935	2	US-09-271-438A-3	Sequence 3, Appl
992	69	3.9	238	2	US-09-270-767-33105	Sequence 33105, A	1049	69	3.9	935	2	US-09-271-438A-8	Sequence 8, Appl
993	69	3.9	238	2	US-09-270-767-48322	Sequence 48322, A	1050	69	3.9	935	2	US-10-078-107-1	Sequence 1, Appl
994	69	3.9	301	2	US-09-270-767-40023	Sequence 40023, A	1051	69	3.9	935	2	US-10-077-751-1	Sequence 1, Appl
995	69	3.9	301	2	US-09-270-767-55239	Sequence 55239, A	1052	69	3.9	935	2	US-09-641-892B-3	Sequence 3, Appl
996	69	3.9	305	2	US-09-902-540-11093	Sequence 11093, A	1053	69	3.9	951	2	US-09-328-352-4456	Sequence 4456, Ap
997	69	3.9	323	2	US-10-012-231A-210	Sequence 210, App	1054	69	3.9	965	2	US-09-437-277-3	Sequence 3, Appl
998	69	3.9	323	2	US-10-015-389A-210	Sequence 210, App	1055	69	3.9	972	2	US-10-217-613A-7	Sequence 7, Appl
999	69	3.9	323	2	US-10-006-768A-210	Sequence 210, App	1056	69	3.9	976	1	US-08-449-645A-18	Sequence 18, Appl
1000	69	3.9	323	2	US-10-015-671A-210	Sequence 210, App	1057	69	3.9	976	1	US-08-702-367A-18	Sequence 18, Appl
1001	69	3.9	323	2	US-10-015-393A-210	Sequence 210, App	1058	69	3.9	976	2	US-09-949-016-6499	Sequence 6499, Ap
1002	69	3.9	323	2	US-10-011-833A-210	Sequence 210, App	1059	69	3.9	976	2	US-09-378-759-18	Sequence 18, Appl
1003	69	3.9	323	2	US-10-006-041A-210	Sequence 210, App	1060	69	3.9	976	5	PCT-US95-04681-18	Sequence 8, Appl
1004	69	3.9	323	2	US-10-012-064A-210	Sequence 210, App	1061	69	3.9	977	1	US-08-673-789-8	Sequence 8, Appl
1005	69	3.9	323	2	US-10-015-392A-210	Sequence 210, App	1062	69	3.9	1013	2	US-09-949-016-7991	Sequence 7991, Ap
1006	69	3.9	323	3	US-10-011-795B-210	Sequence 210, App	1063	69	3.9	1016	2	US-09-252-991A-25429	Sequence 25429, A
1007	69	3.9	323	3	US-10-015-386A-210								

1094	69	3.9	1740	2	US-09-949-016-8860	Sequence 8860, Ap
1095	69	3.9	2704	2	US-09-538-092-1260	Sequence 1260, Ap
1096	69	3.9	3165	1	US-08-459-146-3	Sequence 3, Appli
1097	69	3.9	3165	1	US-08-459-065-3	Sequence 3, Appli
1098	69	3.9	3913	2	US-08-949-016-10933	Sequence 10933, A
1099	69	3.9	4377	2	US-09-949-016-6978	Sequence 6978, Ap
1100	68.5	3.9	243	2	US-09-198-452A-284	Sequence 284, App
1101	68.5	3.9	244	2	US-09-134-000C-4358	Sequence 4358, Ap
1102	68.5	3.9	245	2	US-09-438-185A-273	Sequence 273, App
1103	68.5	3.9	266	2	US-08-983-502-20	Sequence 20, Appl
1104	68.5	3.9	266	2	US-09-516-747-20	Sequence 20, Appl
1105	68.5	3.9	266	5	PCT-US96-10521-20	Sequence 20, Appl
1106	68.5	3.9	267	2	US-09-107-433-3575	Sequence 3575, Ap
1107	68.5	3.9	286	2	US-09-360-017-1	Sequence 1, Appli
1108	68.5	3.9	287	2	US-09-583-110-4372	Sequence 4372, Ap
1109	68.5	3.9	301	2	US-08-957-610A-689	Sequence 689, App
1110	68.5	3.9	301	2	US-08-957-610A-701	Sequence 701, App
1111	68.5	3.9	306	2	US-10-686-944-1	Sequence 2, Appli
1112	68.5	3.9	306	2	US-10-686-944-2	Sequence 2, Appli
1113	68.5	3.9	306	2	US-10-686-944-3	Sequence 3, Appli
1114	68.5	3.9	306	5	PCT-US94-09799-1	Sequence 1, Appli
1115	68.5	3.9	331	2	US-09-543-681A-6822	Sequence 6822, Ap
1116	68.5	3.9	335	2	US-08-983-502-16	Sequence 16, Appl
1117	68.5	3.9	335	2	US-09-516-747-16	Sequence 16, Appl
1118	68.5	3.9	335	5	PCT-US96-10521-16	Sequence 16, Appl
1119	68.5	3.9	375	2	US-09-828-313-34	Sequence 34, Appl
1120	68.5	3.9	377	2	US-09-949-016-7949	Sequence 7949, Ap
1121	68.5	3.9	378	2	US-09-638-937-14	Sequence 14, Appl
1122	68.5	3.9	389	1	US-08-618-408B-4	Sequence 4, Appli
1123	68.5	3.9	406	2	US-09-252-991A-19195	Sequence 19195, A
1124	68.5	3.9	443	2	US-09-328-352-7566	Sequence 7566, Ap
1125	68.5	3.9	464	2	US-08-983-502-18	Sequence 18, Appl
1126	68.5	3.9	464	2	US-09-516-747-18	Sequence 18, Appl
1127	68.5	3.9	464	5	PCT-US96-10521-18	Sequence 18, Appl
1128	68.5	3.9	468	2	US-10-104-047-3370	Sequence 3370, Ap
1129	68.5	3.9	474	2	US-09-902-540-16368	Sequence 16368, A
1130	68.5	3.9	476	2	US-09-561-756-27	Sequence 27, Appl
1131	68.5	3.9	476	2	US-09-227-721-27	Sequence 27, Appl
1132	68.5	3.9	476	2	US-09-954-697-27	Sequence 27, Appl
1133	68.5	3.9	478	2	US-09-009-893A-3	Sequence 3, Appli
1134	68.5	3.9	478	2	US-09-489-153-3	Sequence 3, Appli
1135	68.5	3.9	479	1	US-08-807-200-12	Sequence 12, Appl
1136	68.5	3.9	479	2	US-09-382-155-26	Sequence 26, Appl
1137	68.5	3.9	479	2	US-09-382-155-28	Sequence 28, Appl
1138	68.5	3.9	479	2	US-09-001-777-12	Sequence 12, Appl
1139	68.5	3.9	479	2	US-09-074-044A-26	Sequence 26, Appl
1140	68.5	3.9	479	2	US-09-074-044A-27	Sequence 27, Appl
1141	68.5	3.9	479	2	US-09-074-044A-28	Sequence 28, Appl
1142	68.5	3.9	479	2	US-08-983-502-7	Sequence 7, Appli
1143	68.5	3.9	479	2	US-09-516-747-7	Sequence 7, Appli
1144	68.5	3.9	479	2	US-09-851-873-101	Sequence 101, App
1145	68.5	3.9	479	5	PCT-US96-10521-7	Sequence 7, Appli
1146	68.5	3.9	488	2	US-09-540-236-3027	Sequence 3027, Ap
1147	68.5	3.9	496	1	US-08-665-220-4	Sequence 4, Appli
1148	68.5	3.9	496	2	US-09-291-692-4	Sequence 4, Appli
1149	68.5	3.9	496	2	US-09-952-768-4	Sequence 4, Appli
1150	68.5	3.9	496	2	US-10-668-955-4	Sequence 4, Appli

1151	68.5	3.9	505	2	US-09-949-016-11473	Sequence 11473, A
1152	68.5	3.9	525	2	US-09-549-519-26	Sequence 26, Appl
1153	68.5	3.9	532	2	US-09-252-991A-17930	Sequence 17930, A
1154	68.5	3.9	538	2	US-09-134-000C-4331	Sequence 4331, Ap
1155	68.5	3.9	574	2	US-09-902-540-11805	Sequence 11805, A
1156	68.5	3.9	591	2	US-09-602-787A-24	Sequence 24, Appl
1157	68.5	3.9	597	1	US-08-399-646-4	Sequence 4, Appli
1158	68.5	3.9	597	1	US-08-607-321-4	Sequence 4, Appli
1159	68.5	3.9	597	1	US-08-961-240-4	Sequence 4, Appli
1160	68.5	3.9	597	1	US-08-605-501-4	Sequence 4, Appli
1161	68.5	3.9	598	1	US-08-399-646-14	Sequence 14, Appl
1162	68.5	3.9	598	1	US-08-607-321-14	Sequence 14, Appl
1163	68.5	3.9	598	1	US-08-961-240-14	Sequence 14, Appl
1164	68.5	3.9	598	1	US-08-605-501-14	Sequence 14, Appl
1165	68.5	3.9	616	2	US-09-252-991A-19164	Sequence 19164, A
1166	68.5	3.9	680	2	US-09-731-166-6	Sequence 6, Appli
1167	68.5	3.9	761	2	US-08-928-941D-1	Sequence 1, Appli
1168	68.5	3.9	761	2	US-09-280-590A-1	Sequence 1, Appli
1169	68.5	3.9	761	2	US-08-892-398-1	Sequence 1, Appli
1170	68.5	3.9	766	1	US-08-951-648-2	Sequence 2, Appli
1171	68.5	3.9	766	2	US-09-174-437-2	Sequence 2, Appli
1172	68.5	3.9	766	2	US-09-686-055A-2	Sequence 2, Appli
1173	68.5	3.9	779	1	US-08-951-648-6	Sequence 6, Appli
1174	68.5	3.9	779	2	US-09-174-437-6	Sequence 6, Appli
1175	68.5	3.9	779	2	US-09-686-055A-6	Sequence 6, Appli
1176	68.5	3.9	779	2	US-09-420-190-1	Sequence 1, Appli
1177	68.5	3.9	835	2	US-09-270-767-60845	Sequence 60845, A
1178	68.5	3.9	898	2	US-09-902-540-11561	Sequence 11561, A
1179	68.5	3.9	935	2	US-09-902-540-16200	Sequence 16200, A
1180	68.5	3.9	947	2	US-09-270-767-45347	Sequence 45347, A
1181	68.5	3.9	1025	1	US-08-304-309-4	Sequence 4, Appli
1182	68.5	3.9	1025	2	US-08-991-942-4	Sequence 4, Appli
1183	68.5	3.9	1068	1	US-08-396-479B-12	Sequence 12, Appl
1184	68.5	3.9	1068	1	US-08-818-823-12	Sequence 12, Appl
1185	68.5	3.9	1078	2	US-09-949-016-9573	Sequence 9573, Ap
1186	68.5	3.9	1162	1	US-08-728-323A-2	Sequence 2, Appli
1187	68.5	3.9	1162	2	US-09-298-568-2	Sequence 2, Appli
1188	68.5	3.9	1162	2	US-09-410-399-2	Sequence 2, Appli
1189	68.5	3.9	1162	2	US-09-894-273-2	Sequence 2, Appli
1190	68.5	3.9	1409	2	US-09-489-039A-10338	Sequence 10338, A
1191	68.5	3.9	1729	2	US-09-696-115B-2	Sequence 2, Appli
1192	68.5	3.9	1897	2	US-09-792-024-98	Sequence 98, Appl
1193	68.5	3.9	2628	2	US-09-413-814-11	Sequence 11, Appl
1194	68.5	3.9	3672	1	US-08-822-445-12	Sequence 12, Appl
1195	68.5	3.9	3672	2	US-09-396-540-12	Sequence 12, Appl
1196	68.5	3.9	3801	1	US-08-822-445-10	Sequence 10, Appl
1197	68.5	3.9	3801	2	US-09-396-540-10	Sequence 10, Appl
1198	68	3.8	146	2	US-09-248-796A-16057	Sequence 16057, A
1199	68	3.8	189	2	US-09-902-540-9850	Sequence 9850, Ap
1200	68	3.8	198	7	5240847-10	Patent No. 5240847
1201	68	3.8	198	7	5240847-11	Patent No. 5240847
1202	68	3.8	237	1	US-08-578-709-11	Sequence 11, Appl
1203	68	3.8	251	2	US-09-248-796A-26488	Sequence 26488, A
1204	68	3.8	292	2	US-09-540-236-3576	Sequence 3576, Ap
1205	68	3.8	292	2	US-09-248-796A-16836	Sequence 16836, A
1206	68	3.8	307	2	US-08-957-610A-704	Sequence 704, App
1207	68	3.8	318	2	US-09-489-039A-13319	Sequence 13319, A

1208	3.8	319	2	US-09-489-847-130	Sequence 130, App
1209	3.8	346	2	US-10-094-749-1962	Sequence 1962, Ap
1210	3.8	356	2	US-09-489-847-257	Sequence 257, App
1211	3.8	360	2	US-10-070-464-7	Sequence 7, Appli
1212	3.8	362	2	US-09-949-002-476	Sequence 476, App
1213	3.8	362	2	US-09-949-002-480	Sequence 480, App
1214	3.8	362	2	US-09-902-540-10526	Sequence 10526, A
1215	3.8	368	2	US-09-248-796A-20724	Sequence 20724, A
1216	3.8	375	2	US-09-540-236-3290	Sequence 3290, Ap
1217	3.8	384	2	US-09-059-769-10	Sequence 10, Appl
1218	3.8	384	2	US-09-334-231B-8	Sequence 8, Appli
1219	3.8	384	2	US-09-128-602B-8	Sequence 8, Appli
1220	3.8	384	2	US-09-995-297-8	Sequence 8, Appli
1221	3.8	384	2	US-09-771-904A-8	Sequence 8, Appli
1222	3.8	398	3	US-10-162-335-70	Sequence 70, Appl
1223	3.8	427	2	US-09-919-038-29	Sequence 29, Appl
1224	3.8	427	2	US-09-902-540-12222	Sequence 12222, A
1225	3.8	429	2	US-09-198-452A-189	Sequence 189, App
1226	3.8	431	2	US-09-388-221B-8	Sequence 8, Appli
1227	3.8	431	2	US-09-996-617-4	Sequence 4, Appli
1228	3.8	432	2	US-09-438-185A-173	Sequence 173, App
1229	3.8	445	2	US-09-270-767-46492	Sequence 46492, A
1230	3.8	453	2	US-09-252-991A-25869	Sequence 25869, A
1231	3.8	454	2	US-09-489-039A-12918	Sequence 12918, A
1232	3.8	474	2	US-09-489-039A-13282	Sequence 13282, A
1233	3.8	489	1	US-08-895-521-1	Sequence 1, Appli
1234	3.8	489	2	US-09-235-218-1	Sequence 1, Appli
1235	3.8	500	1	US-08-578-709-15	Sequence 15, Appl
1236	3.8	505	2	US-09-949-016-10947	Sequence 10947, A
1237	3.8	512	1	US-07-779-890-4	Sequence 4, Appli
1238	3.8	512	1	US-07-779-890-4	Sequence 4, Appli
1239	3.8	512	1	US-09-008-962-4	Sequence 4, Appli
1240	3.8	512	1	US-08-675-507-4	Sequence 4, Appli
1241	3.8	512	2	US-09-213-203-4	Sequence 4, Appli
1242	3.8	512	5	PCT-US93-05640-4	Sequence 4, Appli
1243	3.8	513	2	US-09-068-804-14	Sequence 14, Appl
1244	3.8	513	2	US-10-094-749-2171	Sequence 2171, Ap
1245	3.8	520	2	US-09-792-024-121	Sequence 121, App
1246	3.8	521	2	US-10-087-167-90	Sequence 90, Appl
1247	3.8	603	2	US-09-107-532A-5482	Sequence 5482, Ap
1248	3.8	610	1	US-08-212-188-2	Sequence 2, Appli
1249	3.8	610	2	US-08-970-725-2	Sequence 2, Appli
1250	3.8	610	2	US-09-336-447A-11	Sequence 11, Appl
1251	3.8	610	2	US-09-952-267B-11	Sequence 11, Appl
1252	3.8	610	5	PCT-US95-02708-2	Sequence 2, Appli
1253	3.8	611	2	US-09-949-016-71139	Sequence 7139, Ap
1254	3.8	626	2	US-09-252-991A-27835	Sequence 27835, A
1255	3.8	657	2	US-10-094-749-2977	Sequence 2977, Ap
1256	3.8	682	2	US-09-538-092-223	Sequence 223, App
1257	3.8	686	1	US-08-993-228-12	Sequence 12, Appl
1258	3.8	744	2	US-09-785-381-3	Sequence 3, Appli
1259	3.8	789	2	US-09-107-532A-6734	Sequence 6734, Ap
1260	3.8	803	2	US-09-487-558B-394	Sequence 394, App
1261	3.8	816	1	US-08-785-310A-8	Sequence 8, Appli
1262	3.8	834	2	US-09-538-092-619	Sequence 619, App
1263	3.8	863	2	US-09-252-991A-20821	Sequence 20821, A
1264	3.8	907	2	US-09-198-452A-306	Sequence 306, App

1265	68	3.8	919	2	US-09-248-796A-18971	Sequence 18971, A
1266	68	3.8	928	2	US-09-438-185A-295	Sequence 295, App
1267	68	3.8	943	1	US-08-808-982-7	Sequence 7, Appli
1268	68	3.8	943	2	US-09-306-502A-7	Sequence 7, Appli
1269	68	3.8	945	2	US-10-037-417-121	Sequence 121, App
1270	68	3.8	1023	2	US-09-902-540-12335	Sequence 12335, A
1271	68	3.8	1111	1	US-08-317-450B-15	Sequence 15, Appl
1272	68	3.8	1111	2	US-08-800-593-15	Sequence 15, Appl
1273	68	3.8	1111	2	US-09-756-071B-15	Sequence 15, Appl
1274	68	3.8	1172	2	US-09-560-385A-28	Sequence 28, Appl
1275	68	3.8	1172	2	US-09-560-385A-32	Sequence 32, Appl
1276	68	3.8	1193	1	US-08-317-450B-13	Sequence 13, Appl
1277	68	3.8	1193	2	US-08-800-593-13	Sequence 13, Appl
1278	68	3.8	1193	2	US-09-560-385A-26	Sequence 26, Appl
1279	68	3.8	1193	2	US-09-560-385A-30	Sequence 30, Appl
1280	68	3.8	1193	2	US-09-756-071B-13	Sequence 13, Appl
1281	68	3.8	1248	2	US-08-726-214-16	Sequence 16, Appl
1282	68	3.8	1323	2	US-09-248-796A-19543	Sequence 19543, A
1283	68	3.8	1362	2	US-09-902-540-14577	Sequence 14577, A
1284	68	3.8	1367	2	US-09-716-964B-138	Sequence 138, App
1285	68	3.8	1441	2	US-09-252-991A-28143	Sequence 28143, A
1286	68	3.8	1461	1	US-08-993-228-10	Sequence 10, Appl
1287	68	3.8	4391	2	US-10-006-011A-2	Sequence 2, Appli
1288	68	3.8	4551	2	US-09-320-878-1	Sequence 1, Appli
1289	68	3.8	4551	2	US-09-141-908-2	Sequence 2, Appli
1290	68	3.8	4551	2	US-09-657-440-1	Sequence 1, Appli
1291	68	3.8	4551	2	US-09-793-708-1	Sequence 1, Appli
1292	68	3.8	4613	2	US-09-105-537-31	Sequence 31, Appl
1293	68	3.8	11877	2	US-09-105-537-6	Sequence 6, Appli
1294	67.5	3.8	151	2	US-09-270-767-38682	Sequence 38682, A
1295	67.5	3.8	151	2	US-09-270-767-53899	Sequence 53899, A
1296	67.5	3.8	163	2	US-09-270-767-35907	Sequence 35907, A
1297	67.5	3.8	163	2	US-09-270-767-51124	Sequence 51124, A
1298	67.5	3.8	170	2	US-09-270-767-41268	Sequence 41268, A
1299	67.5	3.8	170	2	US-09-270-767-56484	Sequence 56484, A
1300	67.5	3.8	190	2	US-09-107-532A-4612	Sequence 4612, Ap
1301	67.5	3.8	205	2	US-10-012-231A-287	Sequence 287, App
1302	67.5	3.8	205	2	US-10-015-389A-287	Sequence 287, App
1303	67.5	3.8	205	2	US-10-006-768A-287	Sequence 287, App
1304	67.5	3.8	205	2	US-10-015-671A-287	Sequence 287, App
1305	67.5	3.8	205	2	US-10-015-393A-287	Sequence 287, App
1306	67.5	3.8	205	2	US-10-011-833A-287	Sequence 287, App
1307	67.5	3.8	205	2	US-10-006-041A-287	Sequence 287, App
1308	67.5	3.8	205	2	US-10-012-064A-287	Sequence 287, App
1309	67.5	3.8	205	2	US-10-015-392A-287	Sequence 287, App
1310	67.5	3.8	205	3	US-10-011-795B-287	Sequence 287, App
1311	67.5	3.8	205	3	US-10-015-386A-287	Sequence 287, App
1312	67.5	3.8	205	3	US-10-012-121A-287	Sequence 287, App
1313	67.5	3.8	205	3	US-10-006-485A-287	Sequence 287, App
1314	67.5	3.8	205	3	US-10-006-746A-287	Sequence 287, App
1315	67.5	3.8	205	3	US-10-012-752A-287	Sequence 287, App
1316	67.5	3.8	205	3	US-10-017-253A-287	Sequence 287, App
1317	67.5	3.8	205	3	US-10-015-519A-287	Sequence 287, App
1318	67.5	3.8	205	3	US-10-015-715A-287	Sequence 287, App
1319	67.5	3.8	205	3	US-10-007-236A-287	Sequence 287, App
1320	67.5	3.8	214	2	US-09-270-767-39842	Sequence 39842, A
1321	67.5	3.8				

1322	67.5	3.8	214	2	US-09-270-767-55059	Sequence 55059, A
1323	67.5	3.8	257	2	US-09-205-258-293	Sequence 293, App
1324	67.5	3.8	257	2	US-10-004-860-293	Sequence 293, App
1325	67.5	3.8	261	1	US-08-484-905-111	Sequence 111, App
1326	67.5	3.8	261	2	US-08-481-985B-111	Sequence 111, App
1327	67.5	3.8	261	2	US-08-370-476-111	Sequence 111, App
1328	67.5	3.8	271	2	US-09-248-796A-22728	Sequence 22728, A
1329	67.5	3.8	274	2	US-10-012-819-102	Sequence 102, App
1330	67.5	3.8	275	2	US-09-270-767-33033	Sequence 33033, A
1331	67.5	3.8	314	2	US-09-252-991A-18836	Sequence 18836, A
1332	67.5	3.8	317	2	US-09-252-991A-29701	Sequence 29701, A
1333	67.5	3.8	333	2	US-09-976-594-144	Sequence 144, App
1334	67.5	3.8	341	2	US-09-949-016-10614	Sequence 10614, App
1335	67.5	3.8	342	2	US-09-328-352-4946	Sequence 4946, App
1336	67.5	3.8	346	2	US-09-252-991A-21432	Sequence 21432, A
1337	67.5	3.8	354	2	US-09-252-991A-29385	Sequence 29385, A
1338	67.5	3.8	391	2	US-09-583-110-2803	Sequence 2803, App
1339	67.5	3.8	399	2	US-09-638-937-8	Sequence 8, Appli
1340	67.5	3.8	403	2	US-09-107-433-3191	Sequence 3191, App
1341	67.5	3.8	412	2	US-09-198-452A-901	Sequence 901, App
1342	67.5	3.8	413	2	US-09-438-185A-838	Sequence 838, App
1343	67.5	3.8	449	2	US-09-583-110-4686	Sequence 4686, App
1344	67.5	3.8	458	2	US-09-107-433-3814	Sequence 3814, App
1345	67.5	3.8	464	3	US-10-689-200-2	Sequence 2, Appli
1346	67.5	3.8	472	2	US-09-489-039A-10123	Sequence 10123, A
1347	67.5	3.8	472	2	US-09-540-236-2097	Sequence 2097, App
1348	67.5	3.8	490	2	US-09-949-016-6091	Sequence 6091, App
1349	67.5	3.8	498	2	US-10-142-231-91	Sequence 91, Appl
1350	67.5	3.8	498	3	US-10-884-115-91	Sequence 91, Appl
1351	67.5	3.8	516	2	US-09-248-796A-17736	Sequence 17736, A
1352	67.5	3.8	524	2	US-09-248-796A-18625	Sequence 18625, A
1353	67.5	3.8	524	2	US-09-248-796A-20498	Sequence 20498, A
1354	67.5	3.8	541	2	US-09-045-185-2	Sequence 2, Appli
1355	67.5	3.8	582	2	US-09-489-039A-10786	Sequence 10786, A
1356	67.5	3.8	584	2	US-09-022-949-2	Sequence 2, Appli
1357	67.5	3.8	598	2	US-09-198-452A-511	Sequence 511, App
1358	67.5	3.8	598	2	US-09-438-185A-476	Sequence 476, App
1359	67.5	3.8	627	2	US-10-222-100-3	Sequence 3, Appli
1360	67.5	3.8	713	2	US-09-489-039A-10668	Sequence 10668, A
1361	67.5	3.8	781	2	US-09-538-092-363	Sequence 363, App
1362	67.5	3.8	888	1	US-08-445-640-35	Sequence 35, Appl
1363	67.5	3.8	888	2	US-08-170-558-35	Sequence 35, Appl
1364	67.5	3.8	888	2	US-08-447-314-35	Sequence 35, Appl
1365	67.5	3.8	888	2	US-08-445-461-35	Sequence 35, Appl
1366	67.5	3.8	888	3	US-09-223-490-35	Sequence 35, Appl
1367	67.5	3.8	888	3	US-10-646-760-35	Sequence 35, Appl
1368	67.5	3.8	900	2	US-09-107-532A-5284	Sequence 5284, App
1369	67.5	3.8	933	2	US-09-311-021-22	Sequence 22, Appl
1370	67.5	3.8	935	2	US-09-107-532A-3753	Sequence 3753, App
1371	67.5	3.8	939	2	US-10-094-749-1895	Sequence 1895, App
1372	67.5	3.8	951	2	US-09-125-635-8	Sequence 8, Appli
1373	67.5	3.8	965	2	US-09-252-991A-24038	Sequence 24038, A
1374	67.5	3.8	1010	2	US-09-654-449-2	Sequence 2, Appli
1375	67.5	3.8	1010	2	US-09-759-152A-2	Sequence 2, Appli
1376	67.5	3.8	1010	2	US-09-654-499-2	Sequence 2, Appli
1377	67.5	3.8	1044	2	US-09-252-991A-24495	Sequence 24495, A
1378	67.5	3.8	1121	1	US-07-789-915A-2	Sequence 2, Appli

1379	67.5	3.8	1121	1	US-08-005-002C-2	Sequence 2, Appli
1380	67.5	3.8	1121	1	US-08-487-203A-2	Sequence 2, Appli
1381	67.5	3.8	1302	2	US-09-949-016-10852	Sequence 10852, A
1382	67.5	3.8	1334	7	5476657-1	Patent No. 5476657
1383	67.5	3.8	1403	1	US-07-908-253-3	Sequence 3, Appli
1384	67.5	3.8	1403	1	US-08-535-837-3	Sequence 3, Appli
1385	67.5	3.8	1420	2	US-09-125-635-4	Sequence 4, Appli
1386	67.5	3.8	1452	2	US-09-127-227-2	Sequence 2, Appli
1387	67.5	3.8	1498	1	US-08-404-531B-29	Sequence 29, Appl
1388	67.5	3.8	1498	2	US-08-476-900A-29	Sequence 29, Appl
1389	67.5	3.8	1498	2	US-08-488-546A-29	Sequence 29, Appl
1390	67.5	3.8	1582	1	US-08-404-531B-9	Sequence 9, Appli
1391	67.5	3.8	1582	2	US-08-476-900A-9	Sequence 9, Appli
1392	67.5	3.8	1582	2	US-08-488-546A-9	Sequence 9, Appli
1393	67.5	3.8	1582	2	US-08-726-320-5	Sequence 5, Appli
1394	67.5	3.8	1582	2	US-09-208-716-1	Sequence 5, Appli
1395	67.5	3.8	1636	3	US-10-433-794-1	Sequence 1, Appli
1396	67.5	3.8	1732	3	US-10-098-916A-2	Sequence 2, Appli
1397	67.5	3.8	2323	2	US-09-710-279-760	Sequence 760, App
1398	67.5	3.8	2736	2	US-09-252-991A-30227	Sequence 30227, A
1399	67	3.8	171	2	US-09-252-991A-20354	Sequence 20354, A
1400	67	3.8	222	1	US-08-365-486A-28	Sequence 28, Appl
1401	67	3.8	222	2	US-08-880-342-28	Sequence 28, Appl
1402	67	3.8	262	2	US-09-270-767-42193	Sequence 42193, A
1403	67	3.8	268	2	US-10-198-053-485	Sequence 485, App
1404	67	3.8	274	2	US-09-252-991A-22166	Sequence 22166, A
1405	67	3.8	284	2	US-09-543-681A-7910	Sequence 7910, Ap
1406	67	3.8	287	2	US-10-104-047-3292	Sequence 3292, Ap
1407	67	3.8	288	2	US-09-107-532A-7120	Sequence 7120, Ap
1408	67	3.8	299	2	US-09-712-363-234	Sequence 234, App
1409	67	3.8	310	2	US-09-248-796A-24630	Sequence 24630, A
1410	67	3.8	320	2	US-09-710-279-2988	Sequence 2988, Ap
1411	67	3.8	338	2	US-09-252-991A-31155	Sequence 31155, A
1412	67	3.8	340	2	US-09-789-300A-2	Sequence 2, Appli
1413	67	3.8	340	2	US-09-889-609B-10	Sequence 10, Appl
1414	67	3.8	346	2	US-09-248-796A-16397	Sequence 16397, A
1415	67	3.8	347	2	US-09-134-001C-3298	Sequence 3298, Ap
1416	67	3.8	358	2	US-09-949-016-10323	Sequence 10323, A
1417	67	3.8	363	2	US-09-755-665-63	Sequence 63, Appl
1418	67	3.8	369	2	US-09-755-665-16	Sequence 16, Appl
1419	67	3.8	380	2	US-09-755-665-8	Sequence 8, Appli
1420	67	3.8	380	2	US-09-438-185A-133	Sequence 133, App
1421	67	3.8	388	2	US-09-949-016-7414	Sequence 7414, Ap
1422	67	3.8	389	2	US-09-755-665-36	Sequence 36, Appl
1423	67	3.8	392	2	US-09-755-665-35	Sequence 35, Appl
1424	67	3.8	392	2	US-09-538-092-1257	Sequence 1257, Ap
1425	67	3.8	393	1	US-08-423-399B-33	Sequence 33, Appl
1426	67	3.8	393	1	US-08-530-950-11	Sequence 11, Appl
1427	67	3.8	393	2	US-08-888-429A-11	Sequence 11, Appl
1428	67	3.8	393	2	US-09-149-879-11	Sequence 11, Appl
1429	67	3.8	393	2	US-09-057-009-11	Sequence 11, Appl
1430	67	3.8	393	2	US-09-593-653-11	Sequence 11, Appl
1431	67	3.8	394	2	US-09-755-665-33	Sequence 33, Appl
1432	67	3.8	400	2	US-09-668-097A-16	Sequence 16, Appl
1433	67	3.8	403	2	US-09-710-279-1522	Sequence 1522, Ap
1434	67	3.8	404	2	US-09-949-016-7963	Sequence 7963, Ap
1435	67	3.8	405	2	US-09-489-039A-9411	Sequence 9411, Ap

1436	67	3.8	408	2	US-09-543-681A-5372	Sequence 5372, Ap
1437	67	3.8	417	2	US-10-245-227D-14	Sequence 14, Appl
1438	67	3.8	425	2	US-10-245-227D-12	Sequence 12, Appl
1439	67	3.8	433	2	US-09-107-532D-6785	Sequence 6785, Ap
1440	67	3.8	439	2	US-10-245-227D-1	Sequence 1, Appl
1441	67	3.8	449	2	US-09-270-767-57465	Sequence 57465, A
1442	67	3.8	449	2	US-10-245-227D-89	Sequence 89, Appl
1443	67	3.8	472	2	US-09-949-016-8104	Sequence 8104, Ap
1444	67	3.8	476	2	US-09-489-039A-8487	Sequence 8487, Ap
1445	67	3.8	508	2	US-09-344-700-4	Sequence 4, Appl
1446	67	3.8	508	2	US-09-563-997A-7	Sequence 4, Appl
1447	67	3.8	508	2	US-09-270-767-45071	Sequence 45071, A
1448	67	3.8	540	2	US-09-252-991A-32271	Sequence 32271, A
1449	67	3.8	541	2	US-10-101-464A-913	Sequence 913, App
1450	67	3.8	545	2	US-09-134-000C-3545	Sequence 3545, App
1451	67	3.8	563	2	US-09-350-841A-1602	Sequence 1602, Ap
1452	67	3.8	564	2	US-09-902-540A-14784	Sequence 14784, A
1453	67	3.8	583	2	US-09-311-311C-24	Sequence 24, Appl
1454	67	3.8	585	2	US-09-949-016-6627	Sequence 6627, Ap
1455	67	3.8	592	7	5200183-18	Patent No. 5200183
1456	67	3.8	601	2	US-09-270-767-42194	Sequence 42194, A
1457	67	3.8	607	2	US-09-252-991A-26647	Sequence 26647, A
1458	67	3.8	608	2	US-10-003-392-2	Sequence 2, Appl
1459	67	3.8	616	1	US-08-749-882A-2	Sequence 2, Appl
1460	67	3.8	616	1	US-08-539-134-2	Sequence 2, Appl
1461	67	3.8	616	1	US-08-991-531-2	Sequence 2, Appl
1462	67	3.8	616	1	US-09-032-315-9	Sequence 9, Appl
1463	67	3.8	616	1	US-08-993-318A-9	Sequence 9, Appl
1464	67	3.8	616	2	US-09-028-887-2	Sequence 2, Appl
1465	67	3.8	616	2	US-09-399-886-9	Sequence 9, Appl
1466	67	3.8	616	2	US-09-396-260-9	Sequence 9, Appl
1467	67	3.8	616	2	US-09-518-901-2	Sequence 2, Appl
1468	67	3.8	616	2	US-09-576-281-9	Sequence 9, Appl
1469	67	3.8	616	5	PCT-US95-06816-2	Sequence 2, Appl
1470	67	3.8	639	2	US-09-949-016-9434	Sequence 9434, Ap
1471	67	3.8	679	2	US-09-257-536-2	Sequence 2, Appl
1472	67	3.8	679	2	US-09-512-230-2	Sequence 2, Appl
1473	67	3.8	693	2	US-09-999-833A-483	Sequence 483, App
1474	67	3.8	693	2	US-10-020-445A-483	Sequence 483, App
1475	67	3.8	693	2	US-09-978-189-483	Sequence 483, App
1476	67	3.8	693	2	US-10-017-085A-483	Sequence 483, App
1477	67	3.8	693	3	US-10-145-129A-483	Sequence 483, App
1478	67	3.8	693	3	US-10-013-929A-483	Sequence 483, App
1479	67	3.8	693	3	US-10-013-917A-483	Sequence 483, App
1480	67	3.8	694	2	US-09-252-991A-32733	Sequence 32733, A
1481	67	3.8	714	2	US-09-949-016-10296	Sequence 10296, A
1482	67	3.8	760	1	US-08-547-197-2	Sequence 2, Appl
1483	67	3.8	760	2	US-08-957-940-2	Sequence 2, Appl
1484	67	3.8	795	2	US-09-252-991A-31273	Sequence 31273, A
1485	67	3.8	799	3	US-10-018-418A-4	Sequence 4, Appl
1486	67	3.8	854	2	US-09-949-016-11363	Sequence 11363, A
1487	67	3.8	863	2	US-09-976-594-10	Sequence 10, Appl
1488	67	3.8	863	2	US-09-538-092-1373	Sequence 1373, Ap
1489	67	3.8	968	2	US-09-228-986-16	Sequence 16, Appl

```

1493      67      3.8      1024      2      US-09-562-737-87      Sequence 87, Appl
1494      67      3.8      1031      2      US-09-489-039A-11186      Sequence 11186, A
1495      67      3.8      1164      2      US-09-949-016-11682      Sequence 11682, A
1496      67      3.8      1193      2      US-10-053-662A-31      Sequence 31, Appl
1497      67      3.8      1317      2      US-09-083-521-7      Sequence 7, Appl
1498      67      3.8      1318      2      US-09-540-236-3623      Sequence 3623, Ap
1499      67      3.8      1464      2      US-09-045-360-2      Sequence 2, Appl
1500      67      3.8      1464      2      US-09-713-273A-21      Sequence 21, Appl

```

ALIGNMENTS

```

RESULT 1
US-10-012-231A-423
: Sequence 423, Application US/10012231A
: Patent No. 6924355
: GENERAL INFORMATION:
: APPLICANT: Baker, Kevin P.
: APPLICANT: Botstein, David
: APPLICANT: Desnovers, Luc
: APPLICANT: Eaton, Dan I.
: APPLICANT: Ferrara, Napoleone
: APPLICANT: Fong, Sherman
: APPLICANT: Gao, Wei-Qiang
: APPLICANT: Goddard, Audrey
: APPLICANT: Godowski, Paul J.
: APPLICANT: Grimaldi, Christopher J.
: APPLICANT: Gurney, Austin L.
: APPLICANT: Hillan, Kenneth J.
: APPLICANT: Pan, James
: APPLICANT: Paoni, Nicholas F.
: TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
: FILE OF INVENTION: Acids Encoding the Same
: FILE REFERENCE: P2830PIC23
: CURRENT APPLICATION NUMBER: US/10/012,231A
: CURRENT FILING DATE: 2002-06-10
: Prior Application removed - See File Wrapper or Palm
: NUMBER OF SEQ ID NOS: 477
: SEQ ID NO 423
: LENGTH: 337
: TYPE: PRT
: ORGANISM: Homo sapiens
US-10-012-231A-423

```

	Query Match	100.0%;	Score 1779;	DB 2;	Length 337;
	Best Local Similarity	100.0%;	Fred. No. 1.9e-179;		
	Matches 337; Conservative	0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	1 MFSALLLEVIWIIAADGGQHWTVEGPHGQDHWPASYPECGNNAQSPIDIQTDSVTDPD	60			
Db	1 MFSALLLEVIWIIAADGGQHWTVEGPHGQDHWPASYPECGNNAQSPIDIQTDSVTDPD	60			
Qy	61 LPALQPHGYDQPGTEPLDLHNNNGHTVQLSLPTLYLGGLPKRYVAAGQLHLHGKGSGPG	120			
Db	61 LPALQPHGYDQPGTEPLDLHNNNGHTVQLSLPTLYLGGLPKRYVAAGQLHLHGKGSGPG	120			

GenCore version 5.1.9
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: June 17, 2006, 02:50:14 ; Search time 4.20168 Seconds

(without alignments)
416.646 Million cell updates/sec

Title: US-10-063-583-74_COPY_291_310

Perfect score: 101

Sequence: 1 LSLGVLGVCLLLAVYF 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 650591 seqs, 87530628 residues

Total number of hits satisfying chosen parameters: 650591

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 1500 summaries

Database :

- 1: /EMC_Celerra_SIDS3/ptodata/2/iaa/5_COMB.pep.*
- 2: /EMC_Celerra_SIDS3/ptodata/2/iaa/6_COMB.pep.*
- 3: /EMC_Celerra_SIDS3/ptodata/2/iaa/7_COMB.pep.*
- 4: /EMC_Celerra_SIDS3/ptodata/2/iaa/H_COMB.pep.*
- 5: /EMC_Celerra_SIDS3/ptodata/2/iaa/ECTUS_COMB.pep.*
- 6: /EMC_Celerra_SIDS3/ptodata/2/iaa/RE_COMB.pep.*
- 7: /EMC_Celerra_SIDS3/ptodata/2/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	101	100.0	337	2	US-10-012-231A-423
2	101	100.0	337	2	US-10-015-389A-423
3	101	100.0	337	2	US-10-006-768A-423
4	101	100.0	337	2	US-10-015-671A-423
5	101	100.0	337	2	US-10-015-393A-423
6	101	100.0	337	2	US-10-011-833A-423
7	101	100.0	337	2	US-10-006-041A-423
8	101	100.0	337	2	US-10-012-064A-423
9	101	100.0	337	2	US-10-015-392A-423
10	101	100.0	337	3	US-10-011-795B-423

11	101	100.0	337	3	US-10-015-386A-423	Sequence 423, App
12	101	100.0	337	3	US-10-012-121A-423	Sequence 423, App
13	101	100.0	337	3	US-10-006-485A-423	Sequence 423, App
14	101	100.0	337	3	US-10-006-748A-423	Sequence 423, App
15	101	100.0	337	3	US-10-012-752A-423	Sequence 423, App
16	101	100.0	337	3	US-10-017-253A-423	Sequence 423, App
17	101	100.0	337	3	US-10-015-519A-423	Sequence 423, App
18	101	100.0	337	3	US-10-015-715A-423	Sequence 423, App
19	101	100.0	337	3	US-10-007-236A-423	Sequence 423, App
20	54	53.5	249	2	US-09-105-343A-2	Sequence 2, Appli
21	50	49.5	72	2	US-09-540-236-2057	Sequence 2057, Ap
22	50	49.5	127	1	US-08-637-759B-198	Sequence 198, App
23	50	49.5	127	2	US-08-871-355A-198	Sequence 198, App
24	50	49.5	127	2	US-09-201-945-198	Sequence 198, App
25	50	49.5	127	2	US-09-714-602-198	Sequence 198, App
26	50	49.5	249	2	US-09-763-620-33	Sequence 33, Appli
27	48	47.5	514	2	US-09-252-991A-25845	Sequence 25845, A
28	48	47.5	571	2	US-10-036-041-23	Sequence 23, Appli
29	47	46.5	80	2	US-09-252-991A-29244	Sequence 29244, A
30	47	46.5	197	2	US-10-268-051-2	Sequence 2, Appli
31	47	46.5	197	2	US-10-411-076-8	Sequence 8, Appli
32	47	46.5	197	2	US-10-125-772-4	Sequence 4, Appli
33	47	46.5	197	2	US-10-125-778-4	Sequence 4, Appli
34	47	46.5	197	2	US-10-125-792-4	Sequence 4, Appli
35	47	46.5	199	2	US-09-687-477-2	Sequence 2, Appli
36	47	46.5	199	2	US-09-687-476-2	Sequence 2, Appli
37	47	46.5	199	2	US-09-687-372-2	Sequence 2, Appli
38	47	46.5	199	2	US-09-975-553-2	Sequence 2, Appli
39	47	46.5	199	2	US-10-270-795-2	Sequence 2, Appli
40	47	46.5	199	2	US-10-270-876-2	Sequence 2, Appli
41	47	46.5	220	2	US-09-602-787A-608	Sequence 608, App
42	47	46.5	347	2	US-09-543-681A-7153	Sequence 7153, Ap
43	47	46.5	379	2	US-09-270-767-57074	Sequence 57074, A
44	47	46.5	403	2	US-09-602-787A-606	Sequence 606, App
45	47	46.5	425	2	US-09-252-991A-31027	Sequence 31027, A
46	47	46.5	547	2	US-09-877-730-26	Sequence 26, Appli
47	47	46.5	624	2	US-09-877-730-24	Sequence 24, Appli
48	47	46.5	628	2	US-09-877-730-30	Sequence 30, Appli
49	47	46.5	712	2	US-09-877-730-22	Sequence 22, Appli
50	47	46.5	793	2	US-09-877-730-28	Sequence 28, Appli
51	47	46.5	826	2	US-09-877-730-16	Sequence 16, Appli
52	47	46.5	904	2	US-09-877-730-6	Sequence 6, Appli
53	47	46.5	907	2	US-09-877-730-20	Sequence 20, Appli
54	47	46.5	985	2	US-09-877-730-10	Sequence 10, Appli
55	47	46.5	991	2	US-09-877-730-12	Sequence 12, Appli
56	47	46.5	1069	2	US-09-877-730-2	Sequence 2, Appli
57	47	46.5	1072	2	US-09-877-730-18	Sequence 18, Appli
58	47	46.5	1150	2	US-09-877-730-8	Sequence 8, Appli
59	46	45.5	197	2	US-09-162-021B-8	Sequence 8, Appli
60	46	45.5	197	2	US-09-687-477-8	Sequence 8, Appli
61	46	45.5	197	2	US-09-687-477-10	Sequence 10, Appli
62	46	45.5	197	2	US-09-687-477-12	Sequence 12, Appli
63	46	45.5	197	2	US-09-687-477-14	Sequence 14, Appli
64	46	45.5	197	2	US-09-687-476-8	Sequence 8, Appli
65	46	45.5	197	2	US-09-687-476-10	Sequence 10, Appli
66	46	45.5	197	2	US-09-687-476-12	Sequence 12, Appli
67	46	45.5	197	2	US-09-687-476-14	Sequence 14, Appli

68 46 45.5 197 2 US-09-687-372-8 Sequence 8, Appli
69 46 45.5 197 2 US-09-687-372-10 Sequence 10, Appli
70 46 45.5 197 2 US-09-687-372-12 Sequence 12, Appli
71 46 45.5 197 2 US-09-687-372-14 Sequence 14, Appli
72 46 45.5 197 2 US-09-975-553-8 Sequence 8, Appli
73 46 45.5 197 2 US-09-975-553-10 Sequence 10, Appli
74 46 45.5 197 2 US-09-975-553-12 Sequence 12, Appli
75 46 45.5 197 2 US-09-975-553-14 Sequence 14, Appli
76 46 45.5 197 2 US-10-270-795-8 Sequence 8, Appli
77 46 45.5 197 2 US-10-270-795-10 Sequence 10, Appli
78 46 45.5 197 2 US-10-270-795-12 Sequence 12, Appli
79 46 45.5 197 2 US-10-270-795-14 Sequence 14, Appli
80 46 45.5 197 2 US-10-270-876-8 Sequence 8, Appli
81 46 45.5 197 2 US-10-270-876-10 Sequence 10, Appli
82 46 45.5 197 2 US-10-270-876-12 Sequence 12, Appli
83 46 45.5 197 2 US-10-270-876-14 Sequence 14, Appli
84 46 45.5 197 2 US-10-268-051-4 Sequence 4, Appli
85 46 45.5 197 2 US-10-268-051-6 Sequence 6, Appli
86 46 45.5 197 2 US-10-411-076-2 Sequence 2, Appli
87 46 45.5 197 2 US-10-411-076-4 Sequence 4, Appli
88 46 45.5 197 2 US-10-411-076-10 Sequence 10, Appli
89 46 45.5 197 2 US-10-411-076-12 Sequence 12, Appli
90 46 45.5 197 2 US-10-411-076-16 Sequence 16, Appli
91 46 45.5 197 2 US-10-411-076-18 Sequence 18, Appli
92 46 45.5 198 2 US-09-162-021B-6 Sequence 6, Appli
93 46 45.5 199 2 US-09-687-477-4 Sequence 4, Appli
94 46 45.5 199 2 US-09-687-477-6 Sequence 6, Appli
95 46 45.5 199 2 US-09-687-477-18 Sequence 18, Appli
96 46 45.5 199 2 US-09-687-476-4 Sequence 4, Appli
97 46 45.5 199 2 US-09-687-476-6 Sequence 6, Appli
98 46 45.5 199 2 US-09-687-476-18 Sequence 18, Appli
99 46 45.5 199 2 US-09-687-372-4 Sequence 4, Appli
100 46 45.5 199 2 US-09-687-372-6 Sequence 6, Appli
101 46 45.5 199 2 US-09-687-372-18 Sequence 18, Appli
102 46 45.5 199 2 US-09-975-553-4 Sequence 4, Appli
103 46 45.5 199 2 US-09-975-553-6 Sequence 6, Appli
104 46 45.5 199 2 US-09-975-553-18 Sequence 18, Appli
105 46 45.5 199 2 US-10-270-795-4 Sequence 4, Appli
106 46 45.5 199 2 US-10-270-795-6 Sequence 6, Appli
107 46 45.5 199 2 US-10-270-795-18 Sequence 18, Appli
108 46 45.5 199 2 US-10-270-876-4 Sequence 4, Appli
109 46 45.5 199 2 US-10-270-876-6 Sequence 6, Appli
110 46 45.5 199 2 US-10-270-876-18 Sequence 18, Appli
111 46 45.5 211 2 US-09-543-681A-6708 Sequence 6708, Ap
112 46 45.5 388 2 US-10-125-772-6 Sequence 6, Appli
113 46 45.5 388 2 US-10-125-778-6 Sequence 6, Appli
114 46 45.5 388 2 US-10-125-792-6 Sequence 6, Appli
115 46 45.5 391 2 US-10-104-047-2911 Sequence 2911, Ap
116 46 45.5 506 2 US-09-303-518D-692 Sequence 692, App
117 46 45.5 506 2 US-09-303-518D-694 Sequence 694, App
118 46 45.5 506 2 US-09-303-518D-696 Sequence 696, App
119 46 45.5 626 2 US-09-800-729-93 Sequence 95, Appli
120 46 45.5 626 2 US-10-411-076-20 Sequence 20, Appli
121 46 45.5 850 2 US-10-125-772-12 Sequence 12, Appli
122 46 45.5 850 2 US-10-125-778-12 Sequence 12, Appli
123 46 45.5 850 2 US-10-125-792-12 Sequence 12, Appli
124 46 45.5 941 2 US-10-125-772-8 Sequence 8, Appli

125 46 45.5 941 2 US-10-125-772-10 Sequence 10, Appli
126 46 45.5 941 2 US-10-125-778-8 Sequence 8, Appli
127 46 45.5 941 2 US-10-125-778-10 Sequence 10, Appli
128 46 45.5 941 2 US-10-125-792-8 Sequence 8, Appli
129 46 45.5 941 2 US-10-125-792-10 Sequence 10, Appli
130 46 45.5 1027 2 US-09-162-021B-2 Sequence 2, Appli
131 46 45.5 1027 2 US-10-268-051-8 Sequence 8, Appli
132 46 45.5 1027 2 US-10-125-772-2 Sequence 2, Appli
133 46 45.5 1027 2 US-10-125-778-2 Sequence 2, Appli
134 46 45.5 1027 2 US-10-125-792-2 Sequence 2, Appli
135 46 45.5 1058 1 US-08-687-289A-5 Sequence 5, Appli
136 46 45.5 1058 2 US-09-435-897-5 Sequence 5, Appli
137 46 45.5 1059 2 US-09-134-513-2 Sequence 2, Appli
138 46 45.5 1078 1 US-08-485-588-7 Sequence 7, Appli
139 46 45.5 1078 1 US-08-484-565-7 Sequence 7, Appli
140 46 45.5 1078 1 US-08-480-751-7 Sequence 7, Appli
141 46 45.5 1078 1 US-08-943-986-7 Sequence 7, Appli
142 46 45.5 1078 2 US-08-353-784-7 Sequence 7, Appli
143 46 45.5 1078 2 US-08-484-719B-7 Sequence 7, Appli
144 46 45.5 1078 2 US-08-484-153-7 Sequence 7, Appli
145 46 45.5 1078 2 US-10-125-772-28 Sequence 28, Appli
146 46 45.5 1078 2 US-10-125-778-28 Sequence 28, Appli
147 46 45.5 1078 2 US-10-125-792-28 Sequence 28, Appli
148 46 45.5 1085 1 US-08-485-588-5 Sequence 5, Appli
149 46 45.5 1085 1 US-08-484-565-5 Sequence 5, Appli
150 46 45.5 1085 1 US-08-480-751-5 Sequence 5, Appli
151 46 45.5 1085 1 US-08-943-986-5 Sequence 5, Appli
152 46 45.5 1085 2 US-08-353-784-5 Sequence 5, Appli
153 46 45.5 1085 2 US-08-484-719B-5 Sequence 5, Appli
154 46 45.5 1085 2 US-08-484-153-5 Sequence 5, Appli
155 46 45.5 1088 1 US-08-485-588-6 Sequence 6, Appli
156 46 45.5 1088 1 US-08-484-565-6 Sequence 6, Appli
157 46 45.5 1088 1 US-08-480-751-6 Sequence 6, Appli
158 46 45.5 1088 1 US-08-943-986-6 Sequence 6, Appli
159 46 45.5 1088 2 US-08-353-784-6 Sequence 6, Appli
160 46 45.5 1088 2 US-08-484-719B-6 Sequence 6, Appli
161 46 45.5 1088 2 US-08-484-153-6 Sequence 6, Appli
162 45 44.6 62 2 US-09-328-352-6548 Sequence 6548, Ap
163 45 44.6 197 2 US-10-411-076-14 Sequence 14, Appli
164 45 44.6 256 2 US-09-148-545-180 Sequence 180, App
165 45 44.6 256 2 US-09-621-011-180 Sequence 180, App
166 45 44.6 355 2 US-09-634-238-384 Sequence 384, App
167 45 44.6 416 2 US-09-758-753-145 Sequence 145, App
168 45 44.6 469 2 US-09-270-767-45360 Sequence 45360, A
169 44.5 44.1 462 2 US-08-788-231A-15 Sequence 15, Appli
170 44.5 44.1 465 2 US-08-788-231A-17 Sequence 17, Appli
171 44.5 44.1 783 1 US-08-545-562A-5 Sequence 5, Appli
172 44 43.6 197 2 US-09-687-477-16 Sequence 16, Appli
173 44 43.6 197 2 US-09-687-476-16 Sequence 16, Appli
174 44 43.6 197 2 US-09-687-372-16 Sequence 16, Appli
175 44 43.6 197 2 US-09-975-553-16 Sequence 16, Appli
176 44 43.6 197 2 US-10-270-793-16 Sequence 16, Appli
177 44 43.6 197 2 US-10-270-876-16 Sequence 16, Appli
178 44 43.6 207 2 US-10-411-076-6 Sequence 6, Appli
179 44 43.6 207 2 US-08-811-519-22 Sequence 22, Appli
180 44 43.6 217 4 US-10-038-895A-7 Sequence 7, Appli
181 44 43.6 224 2 US-09-843-598-6 Sequence 6, Appli

182	44	43.6	231	2	US-09-134-000C-5609	Sequence 5609, Ap	239	43	42.6	913	2	US-09-252-991A-29362	Sequence 29362, A
183	44	43.6	278	2	US-09-489-039A-9086	Sequence 9086, Ap	240	43	42.6	1449	2	US-08-840-062-6	Sequence 6, Appli
184	44	43.6	405	2	US-09-489-039A-9411	Sequence 9411, Ap	241	43	42.6	1723	2	US-09-194-612A-31	Sequence 31, Appl
185	44	43.6	421	2	US-09-843-598-9	Sequence 9, Appli	242	42.5	42.1	83	2	US-09-270-767-34021	Sequence 34021, A
186	44	43.6	489	1	US-08-663-566A-6	Sequence 6, Appli	243	42.5	42.1	83	2	US-09-270-767-49238	Sequence 49238, A
187	44	43.6	489	1	US-08-023-610-6	Sequence 6, Appli	244	42.5	42.1	281	2	US-09-118-408-44	Sequence 44, Appl
188	44	43.6	489	1	US-08-288-065A-6	Sequence 6, Appli	245	42.5	42.1	281	2	US-09-506-855-44	Sequence 44, Appl
189	44	43.6	489	1	US-08-362-240A-6	Sequence 6, Appli	246	42.5	42.1	281	2	US-09-911-176B-44	Sequence 44, Appl
190	44	43.6	489	2	US-08-804-372A-4	Sequence 4, Appli	247	42.5	42.1	281	2	US-09-619-740-44	Sequence 44, Appl
191	44	43.6	489	5	PCT-US95-10245-6	Sequence 6, Appli	248	42.5	42.1	281	2	US-09-506-852-44	Sequence 44, Appl
192	44	43.6	530	2	US-09-949-016-10781	Sequence 10781, A	249	42.5	42.1	281	2	US-10-392-706-44	Sequence 44, Appl
193	44	43.6	595	1	US-08-677-049-11	Sequence 11, Appl	250	42	41.6	33	2	US-09-471-276-1019	Sequence 1019, Ap
194	44	43.6	671	2	US-09-843-598-5	Sequence 5, Appli	251	42	41.6	102	2	US-09-107-433-2605	Sequence 2605, Ap
195	44	43.6	671	2	US-09-843-598-7	Sequence 7, Appli	252	42	41.6	117	2	US-09-489-039A-9835	Sequence 9835, Ap
196	44	43.6	886	2	US-09-110-116-3	Sequence 3, Appli	253	42	41.6	154	2	US-09-540-236-3209	Sequence 3209, Ap
197	44	43.6	886	2	US-09-631-603-14	Sequence 14, Appl	254	42	41.6	155	2	US-09-252-991A-17892	Sequence 17892, A
198	44	43.6	909	2	US-09-949-016-6370	Sequence 6370, Ap	255	42	41.6	259	2	US-09-583-110-4024	Sequence 4024, Ap
199	44	43.6	1079	1	US-08-485-588-8	Sequence 8, Appli	256	42	41.6	296	1	US-08-467-948A-2	Sequence 2, Appli
200	44	43.6	1079	1	US-08-484-565-8	Sequence 8, Appli	257	42	41.6	296	2	US-08-467-947A-2	Sequence 2, Appli
201	44	43.6	1079	1	US-08-480-751-8	Sequence 8, Appli	258	42	41.6	307	2	US-09-543-681A-6808	Sequence 6808, Ap
202	44	43.6	1079	1	US-08-943-986-8	Sequence 8, Appli	259	42	41.6	358	2	US-09-501-115-30	Sequence 30, Appl
203	44	43.6	1079	2	US-08-353-784-8	Sequence 8, Appli	260	42	41.6	358	2	US-10-357-886-30	Sequence 30, Appl
204	44	43.6	1079	2	US-08-484-719B-8	Sequence 8, Appli	261	42	41.6	413	2	US-09-489-039A-12692	Sequence 12692, A
205	44	43.6	1079	2	US-08-484-159-8	Sequence 8, Appli	262	42	41.6	453	2	US-10-094-749-2468	Sequence 2468, Ap
206	43	42.6	68	2	US-09-270-767-35016	Sequence 35016, A	263	42	41.6	461	2	US-09-303-518D-586	Sequence 586, App
207	43	42.6	178	1	US-07-996-772A-6	Sequence 50233, A	264	42	41.6	461	2	US-09-303-518D-588	Sequence 588, App
208	43	42.6	178	1	US-08-446-822-6	Sequence 6, Appli	265	42	41.6	461	2	US-09-303-518D-590	Sequence 590, App
209	43	42.6	178	1	US-09-328-314-6	Sequence 6, Appli	266	42	41.6	461	2	US-09-303-518D-592	Sequence 592, App
210	43	42.6	178	5	PCT-US93-12586-6	Sequence 6, Appli	267	42	41.6	479	2	US-08-660-451A-20	Sequence 20, Appl
211	43	42.6	261	1	US-08-446-822-15	Sequence 15, Appl	268	42	41.6	494	2	US-08-487-596-10	Sequence 10, Appl
212	43	42.6	261	1	US-09-328-314-15	Sequence 15, Appl	269	42	41.6	494	2	US-08-484-722-2	Sequence 2, Appli
213	43	42.6	261	2	US-09-328-314-15	Sequence 15, Appl	270	42	41.6	494	2	US-08-660-451A-10	Sequence 10, Appl
214	43	42.6	261	5	PCT-US93-12586-15	Sequence 15, Appl	271	42	41.6	494	2	US-09-703-951A-10	Sequence 10, Appl
215	43	42.6	320	2	US-09-543-681A-6667	Sequence 6667, Ap	272	42	41.6	517	2	US-09-489-039A-10153	Sequence 10153, A
216	43	42.6	360	2	US-09-555-313B-4	Sequence 4, Appli	273	42	41.6	521	2	US-08-956-322-4	Sequence 4, Appli
217	43	42.6	360	2	US-09-826-509-443	Sequence 443, App	274	42	41.6	592	2	US-09-902-540-10635	Sequence 10635, A
218	43	42.6	378	2	US-09-826-509-445	Sequence 445, App	275	42	41.6	627	2	US-09-902-540-15743	Sequence 15743, A
219	43	42.6	380	2	US-09-555-313B-24	Sequence 24, Appl	276	42	41.6	652	2	US-09-110-116-1	Sequence 1, Appli
220	43	42.6	380	2	US-09-826-509-441	Sequence 441, App	277	42	41.6	652	2	US-08-956-322-2	Sequence 2, Appli
221	43	42.6	387	2	US-09-826-509-436	Sequence 436, App	278	42	41.6	676	2	US-09-815-923-12	Sequence 12, Appl
222	43	42.6	388	1	US-08-446-822-8	Sequence 8, Appli	279	42	41.6	735	2	US-10-094-749-2843	Sequence 2843, Ap
223	43	42.6	388	2	US-09-328-314-8	Sequence 8, Appli	280	42	41.6	1332	2	US-09-252-991A-25772	Sequence 25772, A
224	43	42.6	388	2	US-09-328-352-7532	Sequence 7532, Ap	281	42	41.6	1727	1	US-08-477-451-10	Sequence 10, Appl
225	43	42.6	388	2	US-09-826-509-439	Sequence 439, App	282	41.5	41.1	90	2	US-09-198-452A-1151	Sequence 1151, Ap
226	43	42.6	388	5	PCT-US93-12586-8	Sequence 8, Appli	283	41.5	41.1	151	2	US-09-902-540-14278	Sequence 14278, A
227	43	42.6	400	1	US-08-747-887-2	Sequence 2, Appli	284	41.5	41.1	277	1	US-08-147-784-2	Sequence 2, Appli
228	43	42.6	402	2	US-10-018-257A-2	Sequence 2, Appli	285	41.5	41.1	277	2	US-08-195-967-2	Sequence 2, Appli
229	43	42.6	498	2	US-09-107-532A-5037	Sequence 5037, Ap	286	41.5	41.1	277	2	US-09-006-353A-12	Sequence 12, Appl
230	43	42.6	519	2	US-09-134-000C-4482	Sequence 4482, Ap	287	41.5	41.1	277	2	US-08-472-940-2	Sequence 2, Appli
231	43	42.6	545	2	US-09-198-452A-519	Sequence 519, App	288	41.5	41.1	277	2	US-09-573-986-12	Sequence 12, Appl
232	43	42.6	545	2	US-09-438-185A-483	Sequence 483, App	289	41.5	41.1	277	2	US-09-880-939-2	Sequence 2, Appli
233	43	42.6	580	1	US-08-677-049-12	Sequence 12, Appl	290	41.5	41.1	277	2	US-08-804-200-2	Sequence 2, Appli
234	43	42.6	635	2	US-10-101-464A-932	Sequence 932, App	291	41.5	41.1	277	2	US-10-046-433-3	Sequence 3, Appli
235	43	42.6	718	2	US-09-252-991A-28229	Sequence 28229, A	292	41.5	41.1	366	2	US-09-134-000C-4120	Sequence 4120, Ap
236	43	42.6	760	2	US-09-555-313B-2	Sequence 2, Appli	293	41.5	41.1	760	2	US-09-438-185A-128	Sequence 128, App
237	43	42.6	877	1	US-08-430-925A-4	Sequence 4, Appli	294	41.5	41.1	1040	2	US-09-489-039A-10700	Sequence 10700, A
238	43	42.6	877	2	US-10-043-418-1	Sequence 1, Appli	295	41	40.6	114	2	US-09-489-847-321	Sequence 321, App

296	41	40.6	125	2	US-09-198-452A-1172	Sequence 1172, Ap	353	40	39.6	156	2	US-10-423-007-20	Sequence 20, Appl
297	41	40.6	155	2	US-09-501-115-48	Sequence 48, Appl	354	40	39.6	167	2	US-09-270-767-38468	Sequence 38468, A
298	41	40.6	158	2	US-10-357-886-48	Sequence 48, Appl	355	40	39.6	167	2	US-09-270-767-53685	Sequence 53685, A
299	41	40.6	178	2	US-09-489-039A-11589	Sequence 11589, Ap	356	40	39.6	171	2	US-09-902-540-10737	Sequence 10737, A
300	41	40.6	226	2	US-09-328-352-6388	Sequence 6388, Ap	357	40	39.6	180	1	US-08-624-650-1	Sequence 1, Appli
301	41	40.6	228	2	US-09-252-991A-26379	Sequence 26379, A	358	40	39.6	180	2	US-09-818-648-1	Sequence 1, Appli
302	41	40.6	232	2	US-09-438-185A-227	Sequence 227, App	359	40	39.6	180	2	US-09-355-925-5	Sequence 5, Appli
303	41	40.6	282	2	US-09-248-796A-14310	Sequence 14310, A	360	40	39.6	180	2	US-09-787-375-2	Sequence 3, Appli
304	41	40.6	300	2	US-09-982-616-9	Sequence 9, Appli	361	40	39.6	180	2	US-09-622-166A-3	Sequence 3, Appli
305	41	40.6	314	2	US-09-248-796A-17612	Sequence 17612, A	362	40	39.6	180	2	US-09-269-921-129	Sequence 129, App
306	41	40.6	320	4	US-10-038-895A-5	Sequence 5, Appli	363	40	39.6	180	2	US-10-423-007-3	Sequence 3, Appli
307	41	40.6	338	2	US-09-902-540-11149	Sequence 11149, A	364	40	39.6	183	2	US-09-949-016-10208	Sequence 10208, A
308	41	40.6	360	2	US-09-501-115-32	Sequence 32, Appl	365	40	39.6	227	2	US-09-248-796A-15723	Sequence 15723, A
309	41	40.6	360	2	US-10-357-886-32	Sequence 32, Appl	366	40	39.6	248	2	US-09-270-767-38407	Sequence 38407, A
310	41	40.6	364	2	US-09-198-452A-423	Sequence 423, App	367	40	39.6	248	2	US-09-270-767-53624	Sequence 53624, A
311	41	40.6	364	2	US-09-438-185A-406	Sequence 406, App	368	40	39.6	267	2	US-09-198-452A-231	Sequence 231, App
312	41	40.6	397	2	US-09-252-991A-27923	Sequence 27923, A	369	40	39.6	274	2	US-09-134-000C-6450	Sequence 6450, Ap
313	41	40.6	420	2	US-09-328-352-5907	Sequence 5907, Ap	370	40	39.6	299	2	US-09-252-991A-18741	Sequence 18741, A
314	41	40.6	454	2	US-09-489-847-305	Sequence 305, App	371	40	39.6	303	2	US-09-489-039A-8915	Sequence 8915, Ap
315	41	40.6	479	2	US-09-830-230A-382	Sequence 382, App	372	40	39.6	308	2	US-09-328-352-5359	Sequence 5359, Ap
316	41	40.6	492	2	US-09-999-833A-7	Sequence 7, Appli	373	40	39.6	343	2	US-09-902-540-13559	Sequence 13559, A
317	41	40.6	492	2	US-10-020-445A-7	Sequence 7, Appli	374	40	39.6	357	2	US-09-134-001C-3379	Sequence 3379, Ap
318	41	40.6	492	2	US-09-978-189-7	Sequence 7, Appli	375	40	39.6	409	2	US-09-560-761B-24	Sequence 24, Appl
319	41	40.6	492	2	US-10-017-085A-7	Sequence 7, Appli	376	40	39.6	427	2	US-09-438-185A-217	Sequence 217, App
320	41	40.6	492	3	US-10-145-129A-7	Sequence 7, Appli	377	40	39.6	446	2	US-09-543-681A-5890	Sequence 5890, Ap
321	41	40.6	492	3	US-10-013-929A-7	Sequence 7, Appli	378	40	39.6	472	2	US-09-800-729-130	Sequence 130, App
322	41	40.6	492	3	US-10-013-917A-7	Sequence 7, Appli	379	40	39.6	493	2	US-09-252-991A-28024	Sequence 28024, A
323	41	40.6	504	2	US-09-830-230A-381	Sequence 381, App	380	40	39.6	529	2	US-09-489-039A-8824	Sequence 8824, Ap
324	41	40.6	544	2	US-09-583-110-3538	Sequence 3538, Ap	381	40	39.6	558	2	US-09-303-518D-598	Sequence 598, App
325	41	40.6	568	2	US-09-489-039A-12263	Sequence 12263, A	382	40	39.6	601	4	US-09-336-643A-4	Sequence 4, Appli
326	41	40.6	568	2	US-09-107-433-2849	Sequence 2849, Ap	383	40	39.6	638	2	US-10-154-419-61	Sequence 61, Appl
327	41	40.6	681	2	US-09-270-767-45330	Sequence 45330, A	384	40	39.6	638	2	US-10-154-419-83	Sequence 83, Appl
328	41	40.6	979	2	US-08-878-474-5	Sequence 5, Appli	385	40	39.6	687	2	US-09-252-991A-31650	Sequence 31650, A
329	41	40.6	1098	2	US-09-712-363-288	Sequence 288, App	386	40	39.6	757	2	US-09-949-016-7121	Sequence 7121, Ap
330	41	40.6	3169	1	US-08-477-451-6	Sequence 6, Appli	387	40	39.6	816	2	US-10-101-464A-827	Sequence 827, App
331	40.5	40.1	457	2	US-09-902-540-15123	Sequence 15123, A	388	40	39.6	852	2	US-09-206-551-19	Sequence 19, Appl
332	40.5	40.1	704	2	US-09-543-681A-7274	Sequence 7274, Ap	389	40	39.6	1036	1	US-08-720-484A-5	Sequence 5, Appli
333	40.5	40.1	706	2	US-10-094-749-3082	Sequence 3082, Ap	390	40	39.6	1036	2	US-08-953-823A-5	Sequence 5, Appli
334	40	39.6	24	1	US-08-103-445-20	Sequence 20, Appl	391	40	39.6	1036	2	US-09-398-239-5	Sequence 5, Appli
335	40	39.6	24	1	US-08-461-690B-20	Sequence 20, Appl	392	40	39.6	1036	2	US-09-560-876A-5	Sequence 5, Appli
336	40	39.6	25	1	US-08-480-190-222	Sequence 222, App	393	40	39.6	1065	2	US-09-560-876A-6	Sequence 6, Appli
337	40	39.6	25	1	US-08-488-379-222	Sequence 222, App	394	40	39.6	1240	2	US-10-101-464A-976	Sequence 976, App
338	40	39.6	25	2	US-08-475-399A-222	Sequence 222, App	395	40	39.6	1724	1	US-08-325-547-3	Sequence 3, Appli
339	40	39.6	25	2	US-08-077-255A-222	Sequence 222, App	396	39.5	39.1	255	2	US-09-328-352-4440	Sequence 4440, Ap
340	40	39.6	25	5	PCT-US93-07545-222	Sequence 222, App	397	39.5	39.1	333	3	US-10-770-127-173	Sequence 173, App
341	40	39.6	30	2	US-09-471-276-1143	Sequence 1143, Ap	398	39.5	39.1	372	1	US-08-967-101-138	Sequence 138, App
342	40	39.6	33	2	US-10-290-579A-167	Sequence 167, App	399	39.5	39.1	372	1	US-08-592-541-138	Sequence 138, App
343	40	39.6	67	2	US-09-243-675-7	Sequence 7, Appli	400	39.5	39.1	372	2	US-09-124-698-138	Sequence 138, App
344	40	39.6	67	2	US-09-243-675-8	Sequence 8, Appli	401	39.5	39.1	372	2	US-09-127-480-138	Sequence 138, App
345	40	39.6	86	2	US-10-290-579A-246	Sequence 246, App	402	39.5	39.1	372	2	US-08-496-841C-138	Sequence 138, App
346	40	39.6	123	2	US-09-902-540-13865	Sequence 13865, A	403	39.5	39.1	372	2	US-09-124-523-138	Sequence 138, App
347	40	39.6	123	2	US-10-094-749-2957	Sequence 2957, Ap	404	39.5	39.1	372	2	US-09-636-796A-138	Sequence 138, App
348	40	39.6	134	2	US-09-270-767-40202	Sequence 40202, A	405	39.5	39.1	376	1	US-08-875-972-2	Sequence 2, Appli
349	40	39.6	134	2	US-09-270-767-55418	Sequence 55418, A	406	39.5	39.1	447	1	US-08-875-972-29	Sequence 29, Appl
350	40	39.6	144	2	US-09-710-279-1640	Sequence 1640, Ap	407	39.5	39.1	447	2	US-09-949-016-6841	Sequence 6841, Ap
351	40	39.6	144	2	US-09-710-279-1958	Sequence 1958, Ap	408	39.5	39.1	448	1	US-08-967-101-137	Sequence 137, App
352	40	39.6	156	2	US-09-622-166A-20	Sequence 20, Appl	409	39.5	39.1	448	1	US-08-592-541-137	Sequence 137, App

410	39.5	39.1	448	2	US-08-888-077A-19	Sequence 19, Appl
411	39.5	39.1	448	2	US-09-124-698-137	Sequence 137, App
412	39.5	39.1	448	2	US-09-127-480-137	Sequence 137, App
413	39.5	39.1	448	2	US-09-227-725A-2	Sequence 2, Appl
414	39.5	39.1	448	2	US-09-124-523-137	Sequence 137, App
415	39.5	39.1	448	2	US-09-375-318-2	Sequence 2, Appl
416	39.5	39.1	448	2	US-09-636-796A-137	Sequence 137, App
417	39.5	39.1	448	2	US-08-937-834-7	Sequence 7, Appl
418	39.5	39.1	448	2	US-09-896-621B-10	Sequence 10, Appl
419	39.5	39.1	448	2	US-09-896-621B-11	Sequence 11, Appl
420	39.5	39.1	448	2	US-09-896-621B-12	Sequence 12, Appl
421	39.5	39.1	448	2	US-09-501-171-2	Sequence 2, Appl
422	39.5	39.1	448	2	US-09-043-944-9	Sequence 9, Appl
423	39.5	39.1	448	2	US-09-949-016-5941	Sequence 5941, Ap
424	39.5	39.1	448	2	US-09-878-454B-1	Sequence 1, Appl
425	39.5	39.1	448	2	US-10-071-900-2	Sequence 2, Appl
426	39.5	39.1	448	2	US-10-811-199-9	Sequence 9, Appl
427	39.5	39.1	448	2	US-09-754-949-6	Sequence 6, Appl
428	39.5	39.1	448	2	US-09-689-159A-138	Sequence 138, App
429	39.5	39.1	448	3	US-10-417-422-6	Sequence 6, Appl
430	39.5	39.1	475	2	US-09-949-016-11287	Sequence 11287, A
431	39.5	39.1	475	2	US-09-949-016-11288	Sequence 11288, A
432	39.5	39.1	590	2	US-09-902-540-9740	Sequence 9740, Ap
433	39.5	38.6	60	2	US-09-543-681A-6563	Sequence 6563, Ap
434	39.5	38.6	67	2	US-09-243-675-6	Sequence 6, Appl
435	39.5	38.6	107	2	US-09-540-236-2417	Sequence 2417, Ap
436	39.5	38.6	107	2	US-09-270-767-40343	Sequence 40343, A
437	39.5	38.6	107	2	US-09-270-767-55559	Sequence 55559, A
438	39.5	38.6	109	2	US-09-902-540-13868	Sequence 13868, A
439	39.5	38.6	128	2	US-08-905-223-306	Sequence 306, App
440	39.5	38.6	128	2	US-09-270-767-60530	Sequence 60530, A
441	39.5	38.6	137	2	US-09-270-767-37177	Sequence 37177, A
442	39.5	38.6	137	2	US-09-270-767-52394	Sequence 52394, A
443	39.5	38.6	159	2	US-09-621-976-5542	Sequence 5542, Ap
444	39.5	38.6	170	2	US-09-198-452A-191	Sequence 191, App
445	39.5	38.6	170	2	US-09-438-185A-176	Sequence 176, App
446	39.5	38.6	187	2	US-09-270-767-32761	Sequence 32761, A
447	39.5	38.6	201	2	US-09-270-767-33463	Sequence 33463, A
448	39.5	38.6	201	2	US-09-270-767-48680	Sequence 48680, A
449	39.5	38.6	214	2	US-10-104-047-3696	Sequence 3696, Ap
450	39.5	38.6	227	2	US-09-252-991A-19468	Sequence 19468, A
451	39.5	38.6	232	2	US-09-902-540-13694	Sequence 13694, A
452	39.5	38.6	232	2	US-10-104-047-3056	Sequence 3056, Ap
453	39.5	38.6	237	2	US-09-107-532A-3825	Sequence 3825, Ap
454	39.5	38.6	262	2	US-09-134-001C-3932	Sequence 3932, Ap
455	39.5	38.6	301	2	US-09-949-016-6865	Sequence 6865, Ap
456	39.5	38.6	309	2	US-08-952-736A-10	Sequence 10, Appl
457	39.5	38.6	323	2	US-09-328-352-8048	Sequence 8048, Ap
458	39.5	38.6	333	2	US-09-949-016-9952	Sequence 9952, Ap
459	39.5	38.6	344	2	US-09-110-116-4	Sequence 4, Appl
460	39.5	38.6	364	2	US-09-270-767-35509	Sequence 35509, A
461	39.5	38.6	364	2	US-09-270-767-50726	Sequence 50726, A
462	39.5	38.6	365	2	US-09-252-991A-21955	Sequence 21955, A
463	39.5	38.6	383	2	US-09-328-352-5422	Sequence 5422, Ap
464	39.5	38.6	407	2	US-09-634-238-240	Sequence 240, App
465	39.5	38.6	449	2	US-09-134-000C-4944	Sequence 4944, Ap
466	39.5	38.6	455	2	US-09-328-352-5075	Sequence 5075, Ap

467	39.5	38.6	467	1	US-08-967-101-4	Sequence 4, Appl
468	39.5	38.6	467	1	US-08-592-541-4	Sequence 4, Appl
469	39.5	38.6	467	2	US-09-124-698-4	Sequence 4, Appl
470	39.5	38.6	467	2	US-09-127-480-4	Sequence 4, Appl
471	39.5	38.6	467	2	US-08-456-841C-4	Sequence 4, Appl
472	39.5	38.6	467	2	US-09-124-523-4	Sequence 4, Appl
473	39.5	38.6	467	2	US-09-636-796A-4	Sequence 4, Appl
474	39.5	38.6	467	2	US-08-431-048F-4	Sequence 4, Appl
475	39.5	38.6	467	2	US-09-689-159A-4	Sequence 4, Appl
476	39.5	38.6	467	2	US-09-689-159A-136	Sequence 136, App
477	39.5	38.6	493	2	US-09-252-991A-24743	Sequence 24743, A
478	39.5	38.6	497	2	US-09-949-016-6616	Sequence 6616, Ap
479	39.5	38.6	501	1	US-08-663-566A-9	Sequence 9, Appl
480	39.5	38.6	501	1	US-08-023-610-9	Sequence 9, Appl
481	39.5	38.6	501	1	US-08-288-063A-9	Sequence 9, Appl
482	39.5	38.6	501	1	US-08-362-240A-9	Sequence 9, Appl
483	39.5	38.6	501	2	US-08-804-372A-7	Sequence 7, Appl
484	39.5	38.6	501	2	US-09-902-540-1195	Sequence 1195, A
485	39.5	38.6	501	5	PCT-US95-10245-9	Sequence 9, Appl
486	39.5	38.6	513	2	US-09-710-279-2954	Sequence 2954, Ap
487	39.5	38.6	519	2	US-09-502-426B-22	Sequence 22, Appl
488	39.5	38.6	530	2	US-09-252-991A-23983	Sequence 23983, A
489	39.5	38.6	551	2	US-09-134-001C-5001	Sequence 5001, Ap
490	39.5	38.6	563	2	US-09-583-110-3028	Sequence 3028, Ap
491	39.5	38.6	563	2	US-09-769-787-151	Sequence 151, App
492	39.5	38.6	570	2	US-09-489-039A-9421	Sequence 9421, Ap
493	39.5	38.6	585	1	US-08-212-188-4	Sequence 4, Appl
494	39.5	38.6	585	2	US-08-970-725-4	Sequence 4, Appl
495	39.5	38.6	585	5	PCT-US95-02708-4	Sequence 4, Appl
496	39.5	38.6	586	2	US-09-107-433-4370	Sequence 4370, Ap
497	39.5	38.6	586	2	US-09-949-016-7565	Sequence 7565, Ap
498	39.5	38.6	681	2	US-08-760-615-4	Sequence 4, Appl
499	39.5	38.6	681	2	US-08-760-615-6	Sequence 6, Appl
500	39.5	38.6	681	2	US-09-336-910A-2	Sequence 2, Appl
501	39.5	38.6	682	3	US-09-762-224B-6	Sequence 6, Appl
502	39.5	38.6	682	2	US-09-270-767-45039	Sequence 45039, A
503	39.5	38.6	723	2	US-09-248-796A-15245	Sequence 15245, A
504	39.5	38.6	823	2	US-09-949-016-6852	Sequence 6852, Ap
505	39.5	38.6	846	2	US-09-949-016-10381	Sequence 10381, A
506	39.5	38.6	852	2	US-08-811-682-3	Sequence 3, Appl
507	39.5	38.6	855	1	US-08-482-090-12	Sequence 12, Appl
508	39.5	38.6	856	1	US-08-481-700B-8	Sequence 8, Appl
509	39.5	38.6	856	1	US-09-007-383-16	Sequence 16, Appl
510	39.5	38.6	863	1	US-08-325-547-4	Sequence 4, Appl
511	39.5	38.6	891	2	US-09-949-016-7768	Sequence 7768, Ap
512	39.5	38.6	1007	2	US-09-830-230A-366	Sequence 366, App
513	39.5	38.6	1036	2	US-09-830-230A-365	Sequence 365, App
514	39.5	38.6	1240	2	US-09-696-668-4	Sequence 4, Appl
515	39.5	38.6	1242	2	US-09-843-159B-4	Sequence 4, Appl
516	39.5	38.6	1267	2	US-09-252-991A-25843	Sequence 25843, A
517	39.5	38.6	1305	2	US-09-972-115A-4	Sequence 4, Appl
518	39.5	38.6	1353	2	US-08-864-783-3	Sequence 3, Appl
519	39.5	38.6	1353	2	US-08-894-173-2	Sequence 2, Appl
520	39.5	38.6	1353	2	US-09-398-193-2	Sequence 2, Appl
521	39.5	38.6	1353	2	US-09-473-717-3	Sequence 3, Appl
522	39.5	38.6	1353	2	US-10-071-223-3	Sequence 3, Appl
523	39.5	38.6	1551	2	US-09-949-016-6785	Sequence 6785, Ap

524	39	38.6	1622	2	US-08-972-927-6	Sequence 6, Appli	581	38.5	38.1	467	2	US-09-878-454B-3	Sequence 3, Appli
525	38.5	38.1	24	2	US-09-000-041A-13	Sequence 13, Appl	582	38.5	38.1	467	2	US-10-071-900-1	Sequence 1, Appli
526	38.5	38.1	24	2	US-09-734-002-13	Sequence 13, Appl	583	38.5	38.1	467	2	US-10-811-199-2	Sequence 2, Appli
527	38.5	38.1	123	2	US-09-248-796A-16934	Sequence 16934, A	584	38.5	38.1	467	2	US-09-754-949-4	Sequence 4, Appli
528	38.5	38.1	161	2	US-09-270-767-44699	Sequence 44699, A	585	38.5	38.1	467	2	US-09-689-159A-2	Sequence 2, Appli
529	38.5	38.1	222	2	US-09-949-016-5983	Sequence 5983, Ap	586	38.5	38.1	467	3	US-09-689-159A-134	Sequence 134, App
530	38.5	38.1	239	2	US-09-949-016-9708	Sequence 9708, Ap	587	38.5	38.1	467	3	US-10-417-422-4	Sequence 4, Appli
531	38.5	38.1	250	1	US-08-484-905-112	Sequence 112, App	588	38.5	38.1	467	3	US-09-581-528G-1	Sequence 1, Appli
532	38.5	38.1	250	2	US-08-481-985B-112	Sequence 112, App	589	38.5	38.1	467	3	US-09-581-528G-3	Sequence 3, Appli
533	38.5	38.1	250	2	US-08-370-476-112	Sequence 112, App	590	38.5	38.1	483	2	US-09-949-016-9176	Sequence 9176, Ap
534	38.5	38.1	256	2	US-09-949-016-11565	Sequence 11565, A	591	38.5	38.1	483	2	US-09-949-016-9177	Sequence 9177, Ap
535	38.5	38.1	277	2	US-08-469-633A-4	Sequence 4, Appli	592	38.5	38.1	483	2	US-09-949-016-9178	Sequence 9178, Ap
536	38.5	38.1	407	1	US-08-875-972-4	Sequence 4, Appli	593	38.5	38.1	487	2	US-09-949-016-9173	Sequence 9173, Ap
537	38.5	38.1	444	2	US-09-252-991A-27928	Sequence 27928, A	594	38.5	38.1	487	2	US-09-949-016-9174	Sequence 9174, Ap
538	38.5	38.1	463	1	US-08-670-479-18	Sequence 18, Appl	595	38.5	38.1	487	2	US-09-949-016-9175	Sequence 9175, Ap
539	38.5	38.1	463	2	US-08-670-964-4	Sequence 4, Appli	596	38.5	38.1	509	1	US-08-559-505-2	Sequence 2, Appli
540	38.5	38.1	463	2	US-08-888-077A-4	Sequence 4, Appli	597	38.5	38.1	509	1	US-08-749-907-2	Sequence 2, Appli
541	38.5	38.1	463	2	US-09-937-834-6	Sequence 6, Appli	598	38.5	38.1	509	1	US-08-890-980-4	Sequence 4, Appli
542	38.5	38.1	463	2	US-09-895-035-12	Sequence 12, Appl	599	38.5	38.1	509	2	US-08-890-979-4	Sequence 4, Appli
543	38.5	38.1	463	2	US-09-949-016-6799	Sequence 6799, Ap	600	38.5	38.1	509	2	US-09-032-894-4	Sequence 4, Appli
544	38.5	38.1	465	2	US-09-496-239A-17	Sequence 17, Appl	601	38.5	38.1	509	2	US-09-031-626-4	Sequence 4, Appli
545	38.5	38.1	465	2	US-09-496-239A-18	Sequence 18, Appl	602	38.5	38.1	509	2	US-08-241-581B-4	Sequence 4, Appli
546	38.5	38.1	467	1	US-08-967-101-2	Sequence 2, Appli	603	38.5	38.1	509	2	US-08-265-428-4	Sequence 4, Appli
547	38.5	38.1	467	1	US-08-967-101-134	Sequence 134, App	604	38.5	38.1	509	5	PCT-US95-07721-4	Sequence 4, Appli
548	38.5	38.1	467	1	US-08-592-541-2	Sequence 2, Appli	605	38.5	38.1	524	2	US-09-252-991A-18580	Sequence 18580, A
549	38.5	38.1	467	1	US-08-592-541-134	Sequence 134, App	606	38.5	38.1	524	2	US-09-391-104-30	Sequence 30, Appl
550	38.5	38.1	467	2	US-08-923-454A-10	Sequence 10, Appl	607	38.5	38.1	604	2	US-09-000-041A-2	Sequence 2, Appli
551	38.5	38.1	467	2	US-08-670-964-2	Sequence 2, Appli	608	38.5	38.1	607	2	US-09-211-704A-10	Sequence 10, Appl
552	38.5	38.1	467	2	US-08-888-077A-2	Sequence 2, Appli	609	38.5	38.1	607	2	US-09-734-002-2	Sequence 2, Appli
553	38.5	38.1	467	2	US-08-888-077A-17	Sequence 17, Appl	610	38.5	38.1	607	2	US-09-949-016-10903	Sequence 2, Appli
554	38.5	38.1	467	2	US-09-124-698-2	Sequence 2, Appli	611	38.5	38.1	643	2	US-09-949-016-10903	Sequence 10903, A
555	38.5	38.1	467	2	US-09-124-698-134	Sequence 134, App	612	38.5	38.1	719	2	US-09-252-991A-28768	Sequence 28768, A
556	38.5	38.1	467	2	US-09-127-480-2	Sequence 2, Appli	613	38.5	38.1	749	2	US-09-828-313-27	Sequence 27, Appl
557	38.5	38.1	467	2	US-09-127-480-134	Sequence 134, App	614	38	37.6	44	2	US-09-270-767-39906	Sequence 39906, A
558	38.5	38.1	467	2	US-08-496-841C-2	Sequence 2, Appli	615	38	37.6	44	2	US-09-270-767-55123	Sequence 55123, A
559	38.5	38.1	467	2	US-08-496-841C-134	Sequence 134, App	616	38	37.6	44	7	5223482-14	Patent No. 5223482
560	38.5	38.1	467	2	US-08-496-841C-136	Sequence 136, App	617	38	37.6	60	2	US-09-270-767-35869	Sequence 35869, A
561	38.5	38.1	467	2	US-08-706-344C-2	Sequence 2, Appli	618	38	37.6	60	2	US-09-270-767-51086	Sequence 51086, A
562	38.5	38.1	467	2	US-08-706-344C-4	Sequence 4, Appli	619	38	37.6	62	2	US-09-543-681A-4300	Sequence 4300, Ap
563	38.5	38.1	467	2	US-08-706-344C-28	Sequence 28, Appl	620	38	37.6	63	2	US-09-513-999C-4704	Sequence 4704, Ap
564	38.5	38.1	467	2	US-08-706-344C-30	Sequence 30, Appl	621	38	37.6	74	2	US-09-583-110-3630	Sequence 3630, Ap
565	38.5	38.1	467	2	US-08-706-344C-32	Sequence 32, Appl	622	38	37.6	74	2	US-09-248-796A-27517	Sequence 27517, A
566	38.5	38.1	467	2	US-08-832-867-3	Sequence 3, Appli	623	38	37.6	74	2	US-09-107-433-2654	Sequence 2654, A
567	38.5	38.1	467	2	US-09-227-725A-1	Sequence 1, Appli	624	38	37.6	82	2	US-09-270-767-58846	Sequence 58846, A
568	38.5	38.1	467	2	US-09-124-523-2	Sequence 2, Appli	625	38	37.6	89	2	US-09-248-796A-26375	Sequence 26375, A
569	38.5	38.1	467	2	US-09-124-523-134	Sequence 134, App	626	38	37.6	105	2	US-09-205-258-330	Sequence 330, App
570	38.5	38.1	467	2	US-09-375-318-3	Sequence 3, Appli	627	38	37.6	105	2	US-10-004-860-330	Sequence 330, App
571	38.5	38.1	467	2	US-09-636-796A-2	Sequence 2, Appli	628	38	37.6	106	2	US-10-084-749-2806	Sequence 2806, Ap
572	38.5	38.1	467	2	US-09-636-796A-134	Sequence 134, App	629	38	37.6	113	2	US-09-489-039A-11952	Sequence 11952, A
573	38.5	38.1	467	2	US-08-431-048F-2	Sequence 2, Appli	630	38	37.6	130	2	US-09-270-767-43485	Sequence 43485, A
574	38.5	38.1	467	2	US-09-896-621B-4	Sequence 4, Appli	631	38	37.6	134	2	US-08-513-974B-328	Sequence 328, App
575	38.5	38.1	467	2	US-09-896-621B-5	Sequence 5, Appli	632	38	37.6	137	2	US-09-252-991A-24547	Sequence 24547, A
576	38.5	38.1	467	2	US-09-896-621B-6	Sequence 6, Appli	633	38	37.6	162	2	US-09-252-991A-24535	Sequence 24535, A
577	38.5	38.1	467	2	US-09-895-035-14	Sequence 14, Appl	634	38	37.6	163	2	US-10-094-749-3214	Sequence 3214, Ap
578	38.5	38.1	467	2	US-09-501-171-1	Sequence 1, Appli	635	38	37.6	173	2	US-09-270-767-34680	Sequence 34680, A
579	38.5	38.1	467	2	US-09-043-944-2	Sequence 2, Appli	636	38	37.6	173	2	US-09-270-767-49897	Sequence 49897, A
580	38.5	38.1	467	2	US-09-949-016-5873	Sequence 5873, Ap	637	38	37.6	211	2	US-09-902-540-9913	Sequence 9913, Ap

638	38	37.6	230	2	US-09-902-540-15652	Sequence 15652, A	695	38	37.6	542	2	US-09-830-123-2	Sequence 2, Appli
639	38	37.6	236	2	US-09-583-110-3029	Sequence 3029, Ap	696	38	37.6	564	2	US-09-252-991A-18257	Sequence 18257, A
640	38	37.6	241	2	US-09-107-433-4815	Sequence 4815, Ap	697	38	37.6	583	2	US-09-270-767-43661	Sequence 43661, A
641	38	37.6	248	2	US-09-489-039A-11898	Sequence 11898, A	698	38	37.6	589	2	US-09-740-041-2	Sequence 2, Appli
642	38	37.6	252	2	US-09-252-991A-17553	Sequence 17553, A	699	38	37.6	629	2	US-10-101-464A-927	Sequence 927, App
643	38	37.6	261	2	US-09-540-236-3402	Sequence 3402, Ap	700	38	37.6	632	2	US-09-949-016-10386	Sequence 10386, A
644	38	37.6	264	2	US-09-270-767-42160	Sequence 42160, A	701	38	37.6	634	2	US-09-949-016-11421	Sequence 11421, A
645	38	37.6	267	2	US-09-543-681A-6127	Sequence 6127, Ap	702	38	37.6	635	1	US-07-879-617A-9	Sequence 9, Appli
646	38	37.6	281	2	US-09-252-991A-25970	Sequence 25970, A	703	38	37.6	635	1	US-08-753-985-9	Sequence 9, Appli
647	38	37.6	287	2	US-09-252-991A-28828	Sequence 28828, A	704	38	37.6	667	1	US-07-879-617A-8	Sequence 8, Appli
648	38	37.6	289	2	US-09-489-039A-10785	Sequence 10785, A	705	38	37.6	667	1	US-08-753-985-8	Sequence 8, Appli
649	38	37.6	289	2	US-09-489-039A-12543	Sequence 12543, A	706	38	37.6	685	2	US-09-720-317A-31	Sequence 31, Appl
650	38	37.6	300	2	US-09-489-039A-7752	Sequence 7752, Ap	707	38	37.6	713	2	US-09-543-681A-6094	Sequence 6094, Ap
651	38	37.6	302	2	US-10-094-749-1923	Sequence 1923, Ap	708	38	37.6	722	2	US-09-575-081B-12	Sequence 12, Appl
652	38	37.6	303	2	US-09-489-039A-11076	Sequence 11076, A	709	38	37.6	722	2	US-10-154-419-10	Sequence 10, Appl
653	38	37.6	345	2	US-09-252-991A-28113	Sequence 28113, A	710	38	37.6	722	2	US-09-262-537-10	Sequence 10, Appl
654	38	37.6	345	2	US-09-489-039A-12233	Sequence 12233, A	711	38	37.6	797	2	US-09-262-537-10	Sequence 10, Appl
655	38	37.6	361	2	US-09-328-352-6358	Sequence 6358, Ap	712	38	37.6	823	2	US-09-134-000C-4997	Sequence 4997, Ap
656	38	37.6	364	2	US-09-826-509-577	Sequence 577, App	713	38	37.6	832	2	US-09-949-002-520	Sequence 520, App
657	38	37.6	367	2	US-09-226-741-3	Sequence 77, Appli	714	38	37.6	832	2	US-10-117-846-4	Sequence 4, Appli
658	38	37.6	367	2	US-09-595-514-3	Sequence 3, Appli	715	38	37.6	850	2	US-09-915-181A-3	Sequence 3, Appli
659	38	37.6	383	2	US-09-578-063-40	Sequence 40, Appli	716	38	37.6	858	2	US-10-099-322-135	Sequence 135, App
660	38	37.6	383	3	US-09-333-159-40	Sequence 40, Appli	717	38	37.6	858	2	US-10-044-564-135	Sequence 135, App
661	38	37.6	386	2	US-09-605-703B-2800	Sequence 2800, Ap	718	38	37.6	867	2	US-10-044-564-134	Sequence 134, App
662	38	37.6	387	1	US-07-996-772A-2	Sequence 2, Appli	719	38	37.6	924	2	US-09-252-991A-23208	Sequence 23208, A
663	38	37.6	387	1	US-08-446-822-2	Sequence 2, Appli	720	38	37.6	944	2	US-09-270-767-46843	Sequence 2, Appli
664	38	37.6	387	2	US-09-328-314-2	Sequence 2, Appli	721	38	37.6	1052	1	US-08-852-806-2	Sequence 2, Appli
665	38	37.6	387	5	PCT-US93-12586-2	Sequence 2, Appli	722	38	37.6	1052	2	US-09-163-669-2	Sequence 2, Appli
666	38	37.6	406	1	US-07-996-772A-4	Sequence 4, Appli	723	38	37.6	1114	2	US-09-262-537-34	Sequence 34, Appl
667	38	37.6	406	1	US-08-446-822-4	Sequence 4, Appli	724	38	37.6	1123	2	US-09-262-537-4	Sequence 4, Appli
668	38	37.6	406	2	US-09-328-314-4	Sequence 4, Appli	725	38	37.6	1177	2	US-09-262-537-2	Sequence 2, Appli
669	38	37.6	406	5	PCT-US93-12586-4	Sequence 4, Appli	726	38	37.6	1294	2	US-09-473-717-2	Sequence 2, Appli
670	38	37.6	418	1	US-07-816-283-10	Sequence 10, Appli	727	38	37.6	1294	2	US-09-949-016-6023	Sequence 2, Appli
671	38	37.6	418	1	US-08-417-103-10	Sequence 10, Appli	728	38	37.6	1294	2	US-10-071-223-2	Sequence 2, Appli
672	38	37.6	428	1	US-09-826-509-573	Sequence 573, App	729	38	37.6	1353	2	US-09-398-193-99	Sequence 99, Appl
673	38	37.6	428	1	US-07-816-283-12	Sequence 12, Appli	730	38	37.6	1403	2	US-09-262-537-6	Sequence 6, Appli
674	38	37.6	428	1	US-08-417-103-12	Sequence 12, Appli	731	38	37.6	1709	2	US-09-949-016-10503	Sequence 10503, A
675	38	37.6	438	2	US-09-339-838-5	Sequence 5, Appli	732	38	37.6	1714	3	US-10-098-916A-11	Sequence 11, Appl
676	38	37.6	438	2	US-09-339-838-7	Sequence 7, Appli	733	38	37.6	1715	2	US-09-696-115B-17	Sequence 17, Appl
677	38	37.6	451	2	US-09-270-767-45130	Sequence 45130, A	734	37.5	37.1	59	2	US-09-270-767-44280	Sequence 44280, A
678	38	37.6	452	2	US-09-328-352-7869	Sequence 7869, Ap	735	37.5	37.1	100	2	US-09-107-532A-3844	Sequence 3844, Ap
679	38	37.6	458	2	US-09-489-039A-10560	Sequence 10560, A	736	37.5	37.1	112	2	US-09-513-999C-4379	Sequence 4379, Ap
680	38	37.6	470	2	US-09-489-039A-9853	Sequence 9853, Ap	737	37.5	37.1	215	2	US-09-107-532A-5710	Sequence 5710, Ap
681	38	37.6	476	2	US-09-489-039A-10795	Sequence 10795, A	738	37.5	37.1	234	2	US-09-949-016-6539	Sequence 6539, Ap
682	38	37.6	485	2	US-09-949-016-10455	Sequence 10455, A	739	37.5	37.1	298	2	US-09-489-039A-10188	Sequence 10188, A
683	38	37.6	488	2	US-08-776-511-2	Sequence 2, Appli	740	37.5	37.1	364	2	US-09-107-532A-5044	Sequence 5044, Ap
684	38	37.6	490	2	US-09-226-741-1	Sequence 1, Appli	741	37.5	37.1	376	2	US-09-252-991A-17262	Sequence 17262, A
685	38	37.6	490	2	US-09-595-514-1	Sequence 1, Appli	742	37.5	37.1	418	2	US-09-949-016-8510	Sequence 8510, A
686	38	37.6	493	2	US-09-252-991A-23214	Sequence 23214, A	743	37.5	37.1	503	2	US-09-487-558B-424	Sequence 424, App
687	38	37.6	493	2	US-09-489-039A-13709	Sequence 13709, A	744	37.5	37.1	518	2	US-09-583-110-4157	Sequence 4157, Ap
688	38	37.6	502	2	US-09-252-991A-24948	Sequence 24948, A	745	37.5	37.1	518	2	US-09-248-796A-20772	Sequence 20772, A
689	38	37.6	508	1	US-08-850-293-5	Sequence 5, Appli	746	37.5	37.1	612	1	US-08-359-705B-8	Sequence 8, Appli
690	38	37.6	512	3	US-10-114-270-140	Sequence 140, App	747	37.5	37.1	612	1	US-08-286-846A-8	Sequence 8, Appli
691	38	37.6	524	2	US-09-712-363-224	Sequence 224, App	748	37.5	37.1	612	1	US-08-457-880A-8	Sequence 8, Appli
692	38	37.6	530	2	US-09-949-016-8316	Sequence 8316, App	749	37.5	37.1	612	2	US-08-444-622A-8	Sequence 8, Appli
693	38	37.6	531	2	US-09-248-796A-15560	Sequence 15560, A	750	37.5	37.1	612	2	US-08-942-562-8	Sequence 8, Appli
694	38	37.6	533	2	US-09-949-016-9753	Sequence 9753, Ap	751	37.5	37.1	612	2	US-09-156-923-8	Sequence 8, Appli

752	37.5	37.1	728	1	US-07-912-952-4	Sequence 4, Appli	809	37	36.6	203	2	US-09-710-279-2470	Sequence 2470, Ap
753	37.5	37.1	766	2	US-10-094-749-2905	Sequence 2905, Ap	810	37	36.6	209	2	US-09-270-767-44112	Sequence 44112, A
754	37.5	37.1	825	1	US-07-912-952-2	Sequence 2, Appli	811	37	36.6	217	2	US-09-605-703B-2086	Sequence 2086, Ap
755	37.5	37.1	839	1	US-08-359-705B-6	Sequence 6, Appli	812	37	36.6	223	2	US-09-266-764-2	Sequence 2, Appli
756	37.5	37.1	839	1	US-08-286-848A-6	Sequence 6, Appli	813	37	36.6	239	2	US-10-104-047-2759	Sequence 2759, Ap
757	37.5	37.1	839	2	US-08-437-880A-6	Sequence 6, Appli	814	37	36.6	242	1	US-08-289-699A-6	Sequence 6, Appli
758	37.5	37.1	839	2	US-08-444-622A-6	Sequence 6, Appli	815	37	36.6	242	1	US-08-878-283-6	Sequence 6, Appli
759	37.5	37.1	839	2	US-08-942-562-6	Sequence 6, Appli	816	37	36.6	242	2	US-09-182-616-6	Sequence 6, Appli
760	37.5	37.1	839	2	US-09-156-923-6	Sequence 6, Appli	817	37	36.6	242	2	US-09-489-039A-13487	Sequence 13487, A
761	37.5	37.1	850	1	US-08-286-305A-7	Sequence 7, Appli	818	37	36.6	244	1	US-08-289-699A-3	Sequence 3, Appli
762	37.5	37.1	850	1	US-08-441-104A-7	Sequence 7, Appli	819	37	36.6	244	1	US-08-878-283-3	Sequence 3, Appli
763	37.5	37.1	850	1	US-08-440-816A-7	Sequence 7, Appli	820	37	36.6	244	2	US-09-182-616-3	Sequence 3, Appli
764	37.5	37.1	850	2	US-09-417-381A-7	Sequence 7, Appli	821	37	36.6	249	2	US-09-583-110-4357	Sequence 4357, Ap
765	37.5	37.1	1040	2	US-09-489-039A-13619	Sequence 13619, A	822	37	36.6	250	2	US-09-902-540-13919	Sequence 13919, A
766	37.5	37.1	1306	1	US-09-538-092-330	Sequence 330, App	823	37	36.6	254	2	US-09-107-433-4333	Sequence 4333, Ap
767	37	36.6	17	1	US-08-545-562A-64	Sequence 64, Appl	824	37	36.6	261	2	US-10-012-231A-326	Sequence 326, App
768	37	36.6	53	2	US-09-716-129-53	Sequence 53, Appl	825	37	36.6	261	2	US-10-015-389A-326	Sequence 326, App
769	37	36.6	63	2	US-10-002-344A-153	Sequence 153, App	826	37	36.6	261	2	US-10-006-768A-326	Sequence 326, App
770	37	36.6	64	2	US-09-513-999C-4631	Sequence 4631, Ap	827	37	36.6	261	2	US-10-006-768A-326	Sequence 326, App
771	37	36.6	65	2	US-09-471-276-949	Sequence 949, App	828	37	36.6	261	2	US-10-015-671A-326	Sequence 326, App
772	37	36.6	73	2	US-09-543-681A-4655	Sequence 4655, Ap	829	37	36.6	261	2	US-10-011-833A-326	Sequence 326, App
773	37	36.6	84	2	US-09-252-991A-18487	Sequence 18487, A	830	37	36.6	261	2	US-10-006-041A-326	Sequence 326, App
774	37	36.6	88	2	US-09-513-999C-4501	Sequence 4501, Ap	831	37	36.6	261	2	US-10-012-064A-326	Sequence 326, App
775	37	36.6	93	1	US-08-722-001-6	Sequence 6, Appli	832	37	36.6	261	2	US-10-015-392A-326	Sequence 326, App
776	37	36.6	94	2	US-09-902-540-16153	Sequence 16153, A	833	37	36.6	261	3	US-10-011-795B-326	Sequence 326, App
777	37	36.6	105	2	US-09-513-999C-7886	Sequence 7886, Ap	834	37	36.6	261	3	US-10-015-386A-326	Sequence 326, App
778	37	36.6	108	2	US-09-513-999C-7601	Sequence 7601, Ap	835	37	36.6	261	3	US-10-012-121A-326	Sequence 326, App
779	37	36.6	113	2	US-09-248-796A-25772	Sequence 25772, A	836	37	36.6	261	3	US-10-006-485A-326	Sequence 326, App
780	37	36.6	118	2	US-09-621-976-6931	Sequence 6931, Ap	837	37	36.6	261	3	US-10-006-746A-326	Sequence 326, App
781	37	36.6	119	1	US-08-417-460-8	Sequence 8, Appli	838	37	36.6	261	3	US-10-012-752A-326	Sequence 326, App
782	37	36.6	122	2	US-09-513-999C-5156	Sequence 5156, Ap	839	37	36.6	261	3	US-10-017-253A-326	Sequence 326, App
783	37	36.6	128	2	US-09-755-665-28	Sequence 28, Appl	840	37	36.6	261	3	US-10-015-519A-326	Sequence 326, App
784	37	36.6	129	2	US-09-288-326A-1	Sequence 1, Appli	841	37	36.6	261	3	US-10-015-715A-326	Sequence 326, App
785	37	36.6	129	2	US-09-548-409B-1	Sequence 1, Appli	842	37	36.6	261	3	US-10-007-236A-326	Sequence 326, App
786	37	36.6	131	2	US-08-444-818-50	Sequence 50, Appl	843	37	36.6	265	2	US-09-489-039A-11328	Sequence 11328, A
787	37	36.6	144	2	US-09-107-532A-4101	Sequence 4101, Ap	844	37	36.6	270	2	US-09-489-039A-11182	Sequence 11182, A
788	37	36.6	147	2	US-09-755-665-32	Sequence 32, Appl	845	37	36.6	273	2	US-09-949-016-11056	Sequence 11056, A
789	37	36.6	148	2	US-08-540-650B-15	Sequence 15, Appl	846	37	36.6	274	2	US-09-252-991A-29313	Sequence 29313, A
790	37	36.6	150	2	US-09-198-452A-232	Sequence 232, App	847	37	36.6	285	2	US-09-543-681A-7666	Sequence 7666, Ap
791	37	36.6	150	2	US-09-438-185A-218	Sequence 218, App	848	37	36.6	297	2	US-09-543-681A-7298	Sequence 7298, Ap
792	37	36.6	167	2	US-09-198-185A-132	Sequence 132, App	849	37	36.6	298	2	US-09-602-777A-384	Sequence 384, App
793	37	36.6	170	2	US-09-270-767-37064	Sequence 37064, A	850	37	36.6	303	2	US-09-270-767-38052	Sequence 38052, A
794	37	36.6	170	2	US-09-270-767-37064	Sequence 37064, A	851	37	36.6	303	2	US-09-270-767-53269	Sequence 53269, A
795	37	36.6	174	2	US-09-107-532A-4715	Sequence 4715, Ap	852	37	36.6	304	4	US-10-038-895A-9	Sequence 9, Appli
796	37	36.6	174	2	US-09-107-532A-4715	Sequence 4715, Ap	853	37	36.6	308	2	US-09-543-681A-7751	Sequence 7751, Ap
797	37	36.6	182	2	US-09-462-917A-108	Sequence 108, App	854	37	36.6	315	2	US-10-104-966-5	Sequence 5, Appli
798	37	36.6	192	2	US-09-438-185A-95	Sequence 95, Appl	855	37	36.6	315	2	US-09-929-955-5	Sequence 5, Appli
799	37	36.6	201	1	US-08-688-342-1	Sequence 1, Appli	856	37	36.6	319	2	US-09-489-039A-7864	Sequence 7864, Ap
800	37	36.6	201	1	US-09-113-788-1	Sequence 1, Appli	857	37	36.6	334	2	US-09-270-767-45533	Sequence 45533, A
801	37	36.6	201	2	US-09-999-833A-477	Sequence 477, App	858	37	36.6	335	2	US-09-107-532A-4702	Sequence 4702, Ap
802	37	36.6	201	2	US-10-020-445A-477	Sequence 477, App	859	37	36.6	338	2	US-09-786-240-5	Sequence 5, Appli
803	37	36.6	201	2	US-09-978-189-477	Sequence 477, App	860	37	36.6	344	2	US-09-902-540-10470	Sequence 10470, A
804	37	36.6	201	2	US-10-017-085A-477	Sequence 477, App	861	37	36.6	365	1	US-08-467-559B-9	Sequence 9, Appli
805	37	36.6	201	3	US-10-145-129A-477	Sequence 477, App	862	37	36.6	375	1	US-08-118-270-17	Sequence 17, Appl
806	37	36.6	201	3	US-10-013-929A-477	Sequence 477, App	863	37	36.6	375	5	PCT-US93-08528-17	Sequence 17, Appl
807	37	36.6	201	3	US-10-013-917A-477	Sequence 477, App	864	37	36.6	378	2	US-08-867-611-33	Sequence 33, Appl
808	37	36.6	203	2	US-09-134-001C-4445	Sequence 4445, Ap	865	37	36.6	378	2	US-09-690-359-33	Sequence 33, Appl

866	37	36.6	378	5	PCT-US92-06965A-3	Sequence 3, Appli	923	37	36.6	555	2	US-09-252-991A-25453	Sequence 25453, A
867	37	36.6	382	2	US-09-328-352-7860	Sequence 7860, Ap	924	37	36.6	558	2	US-09-134-000C-6249	Sequence 6249, Ap
868	37	36.6	392	2	US-09-489-039A-12240	Sequence 12240, A	925	37	36.6	562	2	US-09-879-792-12	Sequence 12, Appl
869	37	36.6	397	2	US-09-764-325A-23	Sequence 23, Appl	926	37	36.6	572	7	5256770-7	Patent No. 5256770
870	37	36.6	392	2	US-09-764-325A-25	Sequence 25, Appl	927	37	36.6	574	2	US-09-383-586-36	Sequence 36, Appl
871	37	36.6	392	2	US-09-912-935-23	Sequence 23, Appl	928	37	36.6	574	2	US-09-823-038A-36	Sequence 36, Appl
872	37	36.6	392	2	US-09-912-935-25	Sequence 25, Appl	929	37	36.6	574	2	US-09-943-075A-5	Sequence 5, Appli
873	37	36.6	393	2	US-09-351-150A-29	Sequence 29, Appl	930	37	36.6	575	1	US-08-261-206A-59	Sequence 59, Appl
874	37	36.6	396	2	US-09-198-452A-147	Sequence 147, App	931	37	36.6	575	1	US-08-312-870-1	Sequence 1, Appli
875	37	36.6	419	2	US-09-252-991A-17406	Sequence 17406, A	932	37	36.6	575	1	US-08-170-290A-54	Sequence 54, Appl
876	37	36.6	420	2	US-09-270-767-46516	Sequence 46516, A	933	37	36.6	575	2	US-08-880-484D-2	Sequence 2, Appli
877	37	36.6	421	2	US-09-540-236-2339	Sequence 2339, Ap	934	37	36.6	575	2	US-10-438-648-2	Sequence 2, Appli
878	37	36.6	425	2	US-09-489-039A-10514	Sequence 10514, A	935	37	36.6	575	2	US-09-949-002-296	Sequence 296, App
879	37	36.6	425	2	US-09-912-935-35	Sequence 35, Appl	936	37	36.6	575	7	5466668-6	Patent No. 5466668
880	37	36.6	425	2	US-09-902-540-15666	Sequence 15666, A	937	37	36.6	580	2	US-10-099-322-95	Sequence 95, Appl
881	37	36.6	427	2	US-09-689-065B-3	Sequence 3, Appli	938	37	36.6	580	2	US-10-044-564-95	Sequence 95, Appl
882	37	36.6	427	2	US-10-210-296A-3	Sequence 3, Appli	939	37	36.6	585	2	US-09-252-991A-32849	Sequence 32849, A
883	37	36.6	429	1	US-08-748-485-7	Sequence 7, Appli	940	37	36.6	621	2	US-09-720-317A-16	Sequence 16, Appl
884	37	36.6	429	2	US-09-919-039-6	Sequence 6, Appli	941	37	36.6	627	2	US-09-213-888-3	Sequence 3, Appli
885	37	36.6	436	2	US-09-134-000C-3950	Sequence 3950, Ap	942	37	36.6	627	2	US-09-328-877D-3	Sequence 3, Appli
886	37	36.6	446	2	US-10-177-661-4	Sequence 4, Appli	943	37	36.6	628	2	US-10-101-464A-917	Sequence 917, App
887	37	36.6	454	2	US-08-444-818-73	Sequence 73, Appl	944	37	36.6	635	2	US-09-489-039A-13395	Sequence 13395, A
888	37	36.6	457	2	US-09-605-703B-2350	Sequence 2350, Ap	945	37	36.6	642	2	US-09-252-991A-23588	Sequence 23588, A
889	37	36.6	459	2	US-09-303-518D-214	Sequence 214, App	946	37	36.6	661	2	US-09-575-081B-23	Sequence 23, Appl
890	37	36.6	460	2	US-09-489-039A-10519	Sequence 10519, A	947	37	36.6	663	2	US-08-824-057-3	Sequence 3, Appli
891	37	36.6	466	1	US-08-334-698-6	Sequence 6, Appli	948	37	36.6	663	2	US-09-415-582-3	Sequence 3, Appli
892	37	36.6	466	1	US-08-228-932-6	Sequence 6, Appli	949	37	36.6	663	2	US-09-693-596-4	Sequence 4, Appli
893	37	36.6	466	1	US-08-468-938-6	Sequence 6, Appli	950	37	36.6	666	2	US-09-213-888-27	Sequence 27, Appl
894	37	36.6	466	1	US-08-722-001-12	Sequence 12, Appl	951	37	36.6	666	2	US-09-328-877D-27	Sequence 27, Appl
895	37	36.6	466	1	US-08-722-001-28	Sequence 28, Appl	952	37	36.6	669	2	US-09-213-888-25	Sequence 25, Appl
896	37	36.6	466	1	US-08-467-568-11	Sequence 11, Appl	953	37	36.6	669	2	US-09-328-877D-25	Sequence 25, Appl
897	37	36.6	466	1	US-08-406-855A-6	Sequence 6, Appli	954	37	36.6	674	2	US-09-538-092-1125	Sequence 1125, Ap
898	37	36.6	466	1	US-08-406-855A-23	Sequence 23, Appl	955	37	36.6	682	2	US-09-949-002-436	Sequence 436, App
899	37	36.6	466	1	US-08-722-190-6	Sequence 6, Appli	956	37	36.6	690	2	US-09-907-794A-49	Sequence 49, Appl
900	37	36.6	466	1	US-09-030-582-11	Sequence 11, Appl	957	37	36.6	690	2	US-09-905-125A-49	Sequence 49, Appl
901	37	36.6	466	2	US-08-244-354-6	Sequence 6, Appli	958	37	36.6	690	2	US-09-902-775A-49	Sequence 49, Appl
902	37	36.6	466	2	US-09-206-899-6	Sequence 6, Appli	959	37	36.6	690	2	US-09-906-700-49	Sequence 49, Appl
903	37	36.6	466	2	US-09-206-899-23	Sequence 23, Appl	960	37	36.6	690	2	US-09-903-603A-49	Sequence 49, Appl
904	37	36.6	466	2	US-09-444-783-6	Sequence 6, Appli	961	37	36.6	690	2	US-09-904-920A-49	Sequence 49, Appl
905	37	36.6	466	2	US-09-688-415-6	Sequence 6, Appli	962	37	36.6	690	2	US-09-909-064-49	Sequence 49, Appl
906	37	36.6	466	2	US-09-688-415-11	Sequence 11, Appl	963	37	36.6	690	2	US-09-905-381A-49	Sequence 49, Appl
907	37	36.6	466	2	US-09-444-783-6	Sequence 6, Appli	964	37	36.6	690	2	US-09-906-618-49	Sequence 49, Appl
908	37	36.6	466	5	PCT-US95-04203-6	Sequence 6, Appli	965	37	36.6	690	2	US-09-906-646-49	Sequence 49, Appl
909	37	36.6	467	2	US-09-540-236-2469	Sequence 2469, Ap	966	37	36.6	690	2	US-09-904-462-49	Sequence 49, Appl
910	37	36.6	474	2	US-09-489-039A-11844	Sequence 11844, A	967	37	36.6	690	2	US-09-902-736A-49	Sequence 49, Appl
911	37	36.6	475	2	US-09-328-352-5706	Sequence 5706, Ap	968	37	36.6	690	2	US-09-906-722A-49	Sequence 49, Appl
912	37	36.6	477	2	US-10-177-661-2	Sequence 2, Appli	969	37	36.6	690	2	US-09-905-449-49	Sequence 49, Appl
913	37	36.6	480	1	US-08-440-103-14	Sequence 14, Appl	970	37	36.6	690	2	US-09-903-562B-49	Sequence 49, Appl
914	37	36.6	480	1	US-08-440-542-14	Sequence 14, Appl	971	37	36.6	690	3	US-09-906-679A-49	Sequence 49, Appl
915	37	36.6	480	1	US-08-231-368-14	Sequence 14, Appl	972	37	36.6	690	3	US-09-907-841-49	Sequence 49, Appl
916	37	36.6	480	1	US-08-440-210-14	Sequence 14, Appl	973	37	36.6	730	2	US-09-603-208A-218	Sequence 218, App
917	37	36.6	480	2	US-09-046-604-14	Sequence 14, Appl	974	37	36.6	738	2	US-08-867-611-35	Sequence 35, Appl
918	37	36.6	499	2	US-09-912-935-31	Sequence 31, Appl	975	37	36.6	738	2	US-09-690-359-35	Sequence 35, Appl
919	37	36.6	516	2	US-09-583-110-3833	Sequence 3833, Ap	976	37	36.6	738	5	PCT-US92-06965A-5	Sequence 5, Appli
920	37	36.6	521	2	US-09-107-433-3659	Sequence 3659, Ap	977	37	36.6	746	2	US-09-252-991A-29228	Sequence 29228, A
921	37	36.6	529	2	US-09-912-935-28	Sequence 28, Appl	978	37	36.6	766	1	US-08-951-648-2	Sequence 2, Appli
922	37	36.6	529	2	US-09-912-935-40	Sequence 40, Appl	979	37	36.6	766	2	US-09-114-437-2	Sequence 2, Appli

980	37	36.6	766	2	US-09-686-055A-2	Sequence 2, Appli	1037	37	36.6	3010	2	US-09-014-416-3	Sequence 3, Appli
981	37	36.6	779	1	US-08-951-648-6	Sequence 6, Appli	1038	37	36.6	3011	1	US-08-188-281B-1	Sequence 1, Appli
982	37	36.6	779	2	US-09-174-437-6	Sequence 6, Appli	1039	37	36.6	3011	1	US-08-453-552-1	Sequence 1, Appli
983	37	36.6	779	2	US-09-686-055A-6	Sequence 6, Appli	1040	37	36.6	3011	1	US-08-440-103-36	Sequence 36, Appli
984	37	36.6	779	2	US-09-420-190-1	Sequence 1, Appli	1041	37	36.6	3011	1	US-08-440-542-36	Sequence 36, Appli
985	37	36.6	780	2	US-08-785-381-11	Sequence 11, Appli	1042	37	36.6	3011	1	US-07-910-760-10	Sequence 10, Appli
986	37	36.6	803	1	US-08-951-648-4	Sequence 4, Appli	1043	37	36.6	3011	1	US-08-440-519-10	Sequence 10, Appli
987	37	36.6	803	2	US-09-174-437-4	Sequence 4, Appli	1044	37	36.6	3011	1	US-08-231-368-36	Sequence 36, Appli
988	37	36.6	803	2	US-09-686-055A-4	Sequence 4, Appli	1045	37	36.6	3011	1	US-08-440-210-36	Sequence 36, Appli
989	37	36.6	829	2	US-08-444-818-69	Sequence 69, Appli	1046	37	36.6	3011	1	US-08-710-637-1	Sequence 1, Appli
990	37	36.6	834	2	US-09-252-991A-31321	Sequence 31321, A	1047	37	36.6	3011	1	US-08-833-678A-6	Sequence 6, Appli
991	37	36.6	841	2	US-09-252-991A-30435	Sequence 30435, A	1048	37	36.6	3011	2	US-08-811-566-20	Sequence 20, Appli
992	37	36.6	857	1	US-08-659-251-2	Sequence 2, Appli	1049	37	36.6	3011	2	US-08-444-818-177	Sequence 177, App
993	37	36.6	857	2	US-09-256-490-2	Sequence 2, Appli	1050	37	36.6	3011	2	US-09-014-416-1	Sequence 1, Appli
994	37	36.6	857	5	PCT-US96-11445-2	Sequence 2, Appli	1051	37	36.6	3011	2	US-09-014-416-5	Sequence 5, Appli
995	37	36.6	879	2	US-09-872-733A-16	Sequence 16, Appli	1052	37	36.6	3011	2	US-08-529-169A-6	Sequence 6, Appli
996	37	36.6	891	2	US-09-328-352-6637	Sequence 6637, Ap	1053	37	36.6	3011	2	US-08-388-874-2	Sequence 2, Appli
997	37	36.6	967	1	US-08-188-281B-13	Sequence 13, Appli	1054	37	36.6	3011	2	US-09-046-604-36	Sequence 36, Appli
998	37	36.6	967	5	PCT-US94-07280-13	Sequence 13, Appli	1055	37	36.6	3011	2	US-08-440-549-10	Sequence 10, Appli
999	37	36.6	967	5	PCT-US95-01087-13	Sequence 13, Appli	1056	37	36.6	3011	2	US-08-850-328-1	Sequence 1, Appli
1000	37	36.6	1024	2	US-09-949-016-7276	Sequence 1276, Ap	1057	37	36.6	3011	2	US-09-034-756-20	Sequence 20, Appli
1001	37	36.6	1036	2	US-09-252-991A-27075	Sequence 27075, A	1058	37	36.6	3011	2	US-09-483-799-6	Sequence 6, Appli
1002	37	36.6	1146	2	US-09-270-767-45747	Sequence 45747, A	1059	37	36.6	3011	2	US-09-916-339-2	Sequence 2, Appli
1003	37	36.6	1220	2	US-09-270-767-4	Sequence 4, Appli	1060	37	36.6	3011	2	US-10-104-966-1	Sequence 1, Appli
1004	37	36.6	1220	2	US-09-270-767-44045	Sequence 44045, A	1061	37	36.6	3011	2	US-09-952-572-9	Sequence 9, Appli
1005	37	36.6	1220	2	US-09-715-962-4	Sequence 4, Appli	1062	37	36.6	3011	2	US-09-929-955-1	Sequence 1, Appli
1006	37	36.6	1404	2	US-09-345-473E-24	Sequence 24, Appli	1063	37	36.6	3011	2	US-10-259-275-20	Sequence 20, Appli
1007	37	36.6	1404	2	US-09-862-027-24	Sequence 24, Appli	1064	37	36.6	3011	3	US-10-184-150-3	Sequence 3, Appli
1008	37	36.6	1528	1	US-08-463-092B-6	Sequence 6, Appli	1065	37	36.6	3011	3	US-10-232-643-6	Sequence 6, Appli
1009	37	36.6	1528	1	US-08-462-109A-6	Sequence 6, Appli	1066	37	36.6	3011	5	PCT-US91-02225-10	Sequence 10, Appli
1010	37	36.6	1528	1	US-08-460-907B-6	Sequence 6, Appli	1067	37	36.6	3011	5	PCT-US93-00907-1	Sequence 1, Appli
1011	37	36.6	1528	2	US-08-463-179A-6	Sequence 6, Appli	1068	37	36.6	3011	5	PCT-US94-07280-1	Sequence 1, Appli
1012	37	36.6	1528	2	US-08-461-384B-6	Sequence 6, Appli	1069	37	36.6	3011	5	PCT-US95-01087-1	Sequence 1, Appli
1013	37	36.6	1528	2	US-09-939-853A-88	Sequence 88, Appli	1070	37	36.6	3012	2	US-08-811-566-2	Sequence 2, Appli
1014	37	36.6	1621	2	US-08-972-927-3	Sequence 3, Appli	1071	37	36.6	3012	2	US-09-034-756-2	Sequence 2, Appli
1015	37	36.6	1648	1	US-08-188-281B-12	Sequence 12, Appli	1072	37	36.6	3077	7	5223423-2	Patent No. 5223423
1016	37	36.6	1648	5	PCT-US94-07280-12	Sequence 12, Appli	1073	36.5	36.1	95	2	US-09-270-767-58498	Sequence 58498, A
1017	37	36.6	1648	5	PCT-US95-01087-12	Sequence 12, Appli	1074	36.5	36.1	120	2	US-09-188-930-180	Sequence 180, App
1018	37	36.6	1786	2	US-08-444-818-54	Sequence 54, Appli	1075	36.5	36.1	120	2	US-09-312-283C-180	Sequence 180, App
1019	37	36.6	1956	2	US-08-843-417-10	Sequence 10, Appli	1076	36.5	36.1	159	2	US-09-489-039A-7961	Sequence 7961, Ap
1020	37	36.6	1956	2	US-09-527-013-10	Sequence 10, Appli	1077	36.5	36.1	186	2	US-09-489-039A-12969	Sequence 12969, A
1021	37	36.6	2042	2	US-09-489-039A-14053	Sequence 14053, A	1078	36.5	36.1	224	2	US-09-252-991A-22473	Sequence 22473, A
1022	37	36.6	2261	2	US-08-444-818-66	Sequence 66, Appli	1079	36.5	36.1	233	2	US-09-710-279-736	Sequence 736, App
1023	37	36.6	2436	2	US-08-444-818-75	Sequence 75, Appli	1080	36.5	36.1	234	2	US-09-134-001C-3362	Sequence 3362, Ap
1024	37	36.6	2772	2	US-08-444-818-89	Sequence 89, Appli	1081	36.5	36.1	240	2	US-09-270-767-44271	Sequence 44271, A
1025	37	36.6	2894	1	US-08-466-975A-23	Sequence 23, Appli	1082	36.5	36.1	274	2	US-09-830-230A-190	Sequence 190, App
1026	37	36.6	2894	1	US-08-391-671A-23	Sequence 23, Appli	1083	36.5	36.1	306	2	US-09-830-230A-189	Sequence 189, App
1027	37	36.6	2894	2	US-08-467-902A-23	Sequence 23, Appli	1084	36.5	36.1	312	2	US-09-489-039A-13269	Sequence 13269, A
1028	37	36.6	2894	2	US-09-275-265-23	Sequence 23, Appli	1085	36.5	36.1	324	1	US-08-816-755-2	Sequence 2, Appli
1029	37	36.6	2894	2	US-09-941-611-23	Sequence 23, Appli	1086	36.5	36.1	324	2	US-09-090-673-2	Sequence 2, Appli
1030	37	36.6	2894	2	US-10-044-995-23	Sequence 23, Appli	1087	36.5	36.1	358	2	US-09-107-532A-5676	Sequence 5676, Ap
1031	37	36.6	2955	1	US-08-443-260-3	Sequence 3, Appli	1088	36.5	36.1	385	2	US-09-328-352-5641	Sequence 5641, Ap
1032	37	36.6	2955	2	US-08-442-805A-3	Sequence 3, Appli	1089	36.5	36.1	456	2	US-09-489-039A-8332	Sequence 8332, Ap
1033	37	36.6	2955	2	US-08-443-900A-3	Sequence 3, Appli	1090	36.5	36.1	467	2	US-09-438-185A-349	Sequence 349, App
1034	37	36.6	2955	2	US-08-444-818-124	Sequence 124, App	1091	36.5	36.1	480	2	US-09-252-991A-17687	Sequence 17687, A
1035	37	36.6	2955	2	US-08-249-843-3	Sequence 3, Appli	1092	36.5	36.1	482	2	US-10-104-047-2685	Sequence 2685, Ap
1036	37	36.6	2995	2	US-08-444-818-138	Sequence 138, App	1093	36.5	36.1	528	2	US-09-248-796A-20729	Sequence 20729, A

1094	36.5	36.1	531	2	US-10-154-419-81	Sequence 81, Appl	1151
1095	36.5	36.1	532	2	US-09-294-841-2	Sequence 2, Appl	1152
1096	36.5	36.1	594	2	US-09-252-991A-27335	Sequence 27335, A	1153
1097	36.5	36.1	760	2	US-09-252-991A-25928	Sequence 25928, A	1154
1098	36.5	36.1	966	2	US-10-099-322-72	Sequence 72, Appl	1155
1099	36.5	36.1	966	2	US-10-044-564-72	Sequence 72, Appl	1156
1100	36.5	36.1	1089	2	US-10-012-231A-102	Sequence 102, App	1157
1101	36.5	36.1	1089	2	US-10-015-389A-102	Sequence 102, App	1158
1102	36.5	36.1	1089	2	US-10-006-768A-102	Sequence 102, App	1159
1103	36.5	36.1	1089	2	US-10-015-671A-102	Sequence 102, App	1160
1104	36.5	36.1	1089	2	US-10-015-393A-102	Sequence 102, App	1161
1105	36.5	36.1	1089	2	US-10-011-833A-102	Sequence 102, App	1162
1106	36.5	36.1	1089	2	US-10-006-041A-102	Sequence 102, App	1163
1107	36.5	36.1	1089	2	US-10-012-064A-102	Sequence 102, App	1164
1108	36.5	36.1	1089	2	US-10-015-392A-102	Sequence 102, App	1165
1109	36.5	36.1	1089	3	US-10-011-795B-102	Sequence 102, App	1166
1110	36.5	36.1	1089	3	US-10-015-386A-102	Sequence 102, App	1167
1111	36.5	36.1	1089	3	US-10-012-121A-102	Sequence 102, App	1168
1112	36.5	36.1	1089	3	US-10-006-485A-102	Sequence 102, App	1169
1113	36.5	36.1	1089	3	US-10-006-746A-102	Sequence 102, App	1170
1114	36.5	36.1	1089	3	US-10-012-752A-102	Sequence 102, App	1171
1115	36.5	36.1	1089	3	US-10-017-253A-102	Sequence 102, App	1172
1116	36.5	36.1	1089	3	US-10-015-519A-102	Sequence 102, App	1173
1117	36.5	36.1	1089	3	US-10-015-715A-102	Sequence 102, App	1174
1118	36.5	36.1	1089	3	US-10-007-236A-102	Sequence 102, App	1175
1119	36	35.6	28	2	US-09-912-935-32	Sequence 32, Appl	1176
1120	36	35.6	33	2	US-10-290-579A-158	Sequence 158, App	1177
1121	36	35.6	33	2	US-10-290-579A-165	Sequence 165, App	1178
1122	36	35.6	34	2	US-09-471-276-1124	Sequence 1124, Ap	1179
1123	36	35.6	44	2	US-09-471-276-931	Sequence 931, App	1180
1124	36	35.6	58	2	US-09-621-976-5582	Sequence 5582, Ap	1181
1125	36	35.6	65	2	US-09-583-110-2866	Sequence 2866, Ap	1182
1126	36	35.6	72	2	US-09-248-796A-24903	Sequence 24903, A	1183
1127	36	35.6	73	2	US-09-270-767-41932	Sequence 41932, A	1184
1128	36	35.6	75	2	US-09-489-039A-11668	Sequence 11668, A	1185
1129	36	35.6	76	2	US-09-107-433-3897	Sequence 3897, Ap	1186
1130	36	35.6	84	2	US-09-489-847-157	Sequence 157, App	1187
1131	36	35.6	86	2	US-09-247-155-112	Sequence 112, App	1188
1132	36	35.6	86	2	US-10-290-579A-248	Sequence 248, App	1189
1133	36	35.6	86	2	US-09-903-190-112	Sequence 112, App	1190
1134	36	35.6	87	2	US-09-732-210-1716	Sequence 1716, Ap	1191
1135	36	35.6	87	2	US-09-248-796A-23799	Sequence 23799, A	1192
1136	36	35.6	92	2	US-09-489-847-319	Sequence 319, App	1193
1137	36	35.6	101	2	US-09-252-991A-29775	Sequence 29775, A	1194
1138	36	35.6	101	2	US-09-248-796A-22552	Sequence 22552, A	1195
1139	36	35.6	102	2	US-09-390-134B-49	Sequence 49, Appl	1196
1140	36	35.6	103	2	US-09-252-991A-31182	Sequence 31182, A	1197
1141	36	35.6	107	2	US-09-902-540-12255	Sequence 12255, A	1198
1142	36	35.6	107	2	US-10-104-047-2738	Sequence 2738, Ap	1199
1143	36	35.6	114	2	US-09-270-767-62442	Sequence 62442, A	1200
1144	36	35.6	116	2	US-09-489-039A-14026	Sequence 14026, A	1201
1145	36	35.6	124	2	US-09-605-703B-970	Sequence 970, App	1202
1146	36	35.6	125	2	US-09-270-767-42800	Sequence 42800, A	1203
1147	36	35.6	126	2	US-09-134-001C-4599	Sequence 4599, Ap	1204
1148	36	35.6	126	2	US-09-248-796A-27896	Sequence 27896, A	1205
1149	36	35.6	128	2	US-09-270-767-41786	Sequence 41786, A	1206
1150	36	35.6	128	2	US-09-438-185A-310	Sequence 310, App	1207

134	35.6	2	US-09-270-767-46817	Sequence 46817, A
140	35.6	2	US-09-369-247-71	Sequence 71, Appl
140	35.6	140	US-09-303-518D-594	Sequence 594, App
140	35.6	140	US-10-062-548-71	Sequence 71, Appl
144	35.6	2	US-09-248-796A-25163	Sequence 25163, A
146	35.6	146	US-09-328-352-6850	Sequence 6850, Ap
149	35.6	149	US-09-198-452A-1154	Sequence 1154, Ap
153	35.6	153	US-09-438-185A-149	Sequence 149, App
153	35.6	153	US-09-605-703B-2134	Sequence 2134, Ap
154	35.6	154	US-09-248-796A-20059	Sequence 20059, A
155	35.6	155	US-09-270-767-46987	Sequence 46987, A
157	35.6	157	US-09-270-767-31770	Sequence 31770, A
161	35.6	161	US-09-461-325-210	Sequence 210, App
161	35.6	161	US-10-012-542-210	Sequence 210, App
161	35.6	161	US-10-115-123-210	Sequence 210, App
163	35.6	163	US-09-222-938A-43	Sequence 43, Appl
172	35.6	172	US-09-710-279-3278	Sequence 3278, Ap
188	35.6	188	US-09-949-016-11118	Sequence 11118, A
191	35.6	191	US-09-543-681A-6549	Sequence 6549, Ap
191	35.6	191	US-09-248-796A-20819	Sequence 20819, A
197	35.6	197	US-09-112-248-2	Sequence 2, Appl
198	35.6	198	US-09-902-540-10724	Sequence 10724, A
200	35.6	200	US-09-949-016-9499	Sequence 9499, Ap
202	35.6	202	US-09-543-681A-6915	Sequence 6915, Ap
204	35.6	204	US-09-710-279-412	Sequence 412, App
204	35.6	204	US-09-710-279-1218	Sequence 1218, Ap
204	35.6	204	US-10-104-047-2253	Sequence 2253, Ap
207	35.6	207	US-09-134-000C-6723	Sequence 6723, Ap
207	35.6	207	US-08-811-519-23	Sequence 23, Appl
211	35.6	211	US-07-915-966C-4	Sequence 4, Appl
211	35.6	211	US-08-771-182-4	Sequence 4, Appl
211	35.6	211	US-08-853-194-4	Sequence 4, Appl
216	35.6	216	US-09-270-767-46297	Sequence 46297, A
218	35.6	218	US-09-270-767-46281	Sequence 46281, A
220	35.6	220	US-09-198-452A-461	Sequence 461, App
220	35.6	220	US-09-438-185A-442	Sequence 442, App
223	35.6	223	US-09-461-325-494	Sequence 494, App
223	35.6	223	US-10-012-542-494	Sequence 494, App
223	35.6	223	US-10-115-123-494	Sequence 494, App
226	35.6	226	US-09-869-388-10	Sequence 10, Appl
227	35.6	227	US-09-869-388-6	Sequence 6, Appl
229	35.6	229	US-09-543-681A-5405	Sequence 5405, Ap
235	35.6	235	US-09-583-110-4058	Sequence 4058, Ap
236	35.6	236	US-09-902-540-15029	Sequence 15029, A
238	35.6	238	US-09-149-476-485	Sequence 485, App
243	35.6	243	US-09-328-352-6952	Sequence 6952, App
246	35.6	246	US-09-199-637A-407	Sequence 407, App
247	35.6	247	US-09-902-540-10732	Sequence 10732, A
248	35.6	248	US-09-081-689-4	Sequence 4, Appl
248	35.6	248	US-08-858-207A-340	Sequence 340, Appl
248	35.6	248	US-09-543-681A-5430	Sequence 5430, Ap
248	35.6	248	US-09-489-039A-12849	Sequence 12849, A
251	35.6	251	US-09-270-767-40565	Sequence 40565, A
251	35.6	251	US-09-270-767-55781	Sequence 55781, A
259	35.6	259	US-08-997-080-98	Sequence 98, Appl
259	35.6	259	US-08-997-362-98	Sequence 98, Appl
259	35.6	259	US-08-873-970-98	Sequence 98, Appl

1208	36	35.6	259	2	US-09-095-855-98	Sequence 98, Appl	1265	36	35.6	397	2	US-09-583-110-2946	Sequence 2946, Ap
1209	36	35.6	259	2	US-09-324-542-98	Sequence 98, Appl	1266	36	35.6	398	1	US-08-288-663A-1	Sequence 1, Appl
1210	36	35.6	259	2	US-09-205-426-98	Sequence 98, Appl	1267	36	35.6	398	1	US-08-288-663A-15	Sequence 15, Appl
1211	36	35.6	260	2	US-08-957-130-15	Sequence 15, Appl	1268	36	35.6	398	2	US-09-655-272-2	Sequence 2, Appl
1212	36	35.6	265	2	US-09-605-703B-968	Sequence 968, App	1269	36	35.6	398	2	US-09-892-360-19	Sequence 19, Appl
1213	36	35.6	281	2	US-09-543-681A-4460	Sequence 4460, Ap	1270	36	35.6	401	1	US-08-805-118-1	Sequence 1, Appl
1214	36	35.6	284	2	US-09-252-991A-17801	Sequence 17801, A	1271	36	35.6	401	2	US-09-391-958-1	Sequence 1, Appl
1215	36	35.6	295	1	US-08-454-267-7	Sequence 7, Appl	1272	36	35.6	401	2	US-09-543-681A-5084	Sequence 5084, Ap
1216	36	35.6	295	1	US-08-941-319-7	Sequence 7, Appl	1273	36	35.6	404	2	US-09-107-433-3747	Sequence 3747, Ap
1217	36	35.6	295	2	US-09-035-098-7	Sequence 7, Appl	1274	36	35.6	405	2	US-09-543-681A-6109	Sequence 6109, Ap
1218	36	35.6	297	2	US-09-328-352-8148	Sequence 8148, Ap	1275	36	35.6	419	2	US-09-949-016-6913	Sequence 6913, Ap
1219	36	35.6	300	2	US-09-393-634-17	Sequence 17, Appl	1276	36	35.6	423	2	US-09-489-039A-7898	Sequence 7898, Ap
1220	36	35.6	300	2	US-09-902-540-12300	Sequence 12300, A	1277	36	35.6	440	2	US-09-949-016-7809	Sequence 7809, Ap
1221	36	35.6	302	3	US-10-770-127-111	Sequence 111, App	1278	36	35.6	442	2	US-09-081-689-2	Sequence 2, Appl
1222	36	35.6	311	2	US-08-818-581B-6	Sequence 6, Appl	1279	36	35.6	442	2	US-09-305-984-14	Sequence 14, Appl
1223	36	35.6	316	2	US-09-549-848B-33	Sequence 33, Appl	1280	36	35.6	442	2	US-09-073-541A-14	Sequence 14, Appl
1224	36	35.6	316	2	US-09-688-069-33	Sequence 33, Appl	1281	36	35.6	442	2	US-09-493-940-14	Sequence 14, Appl
1225	36	35.6	319	2	US-09-605-703B-738	Sequence 738, App	1282	36	35.6	442	2	US-09-583-110-5317	Sequence 5317, Ap
1226	36	35.6	320	2	US-09-543-681A-6696	Sequence 6696, Ap	1283	36	35.6	446	2	US-09-107-433-3720	Sequence 3720, Ap
1227	36	35.6	323	2	US-09-326-402C-19	Sequence 19, Appl	1284	36	35.6	449	2	US-09-252-991A-27941	Sequence 27941, A
1228	36	35.6	324	2	US-09-489-039A-7803	Sequence 7803, Ap	1285	36	35.6	453	2	US-09-710-279-3260	Sequence 3260, Ap
1229	36	35.6	325	1	US-08-683-743-4	Sequence 4, Appl	1286	36	35.6	455	2	US-09-489-039A-9942	Sequence 9942, Ap
1230	36	35.6	325	2	US-09-870-574-3	Sequence 3, Appl	1287	36	35.6	456	2	US-09-328-352-6174	Sequence 6174, Ap
1231	36	35.6	325	2	US-09-265-540E-6	Sequence 6, Appl	1288	36	35.6	461	2	US-09-328-352-5878	Sequence 5878, Ap
1232	36	35.6	334	2	US-09-198-452A-923	Sequence 923, App	1289	36	35.6	462	2	US-09-328-352-6888	Sequence 6888, Ap
1233	36	35.6	336	2	US-09-438-185A-857	Sequence 857, App	1290	36	35.6	464	2	US-09-543-681A-5655	Sequence 5655, Ap
1234	36	35.6	337	1	US-08-312-387B-5	Sequence 5, Appl	1291	36	35.6	466	2	US-09-134-001C-3432	Sequence 3432, Ap
1235	36	35.6	337	1	US-08-312-387B-12	Sequence 12, Appl	1292	36	35.6	470	2	US-09-603-208A-246	Sequence 246, App
1236	36	35.6	337	1	US-08-683-426-5	Sequence 5, Appl	1293	36	35.6	474	2	US-09-252-991A-26872	Sequence 26872, A
1237	36	35.6	337	1	US-08-683-426-12	Sequence 12, Appl	1294	36	35.6	476	2	US-09-489-039A-8487	Sequence 8487, Ap
1238	36	35.6	337	1	US-08-683-458-5	Sequence 5, Appl	1295	36	35.6	480	1	US-08-724-394A-11	Sequence 11, Appl
1239	36	35.6	337	1	US-08-683-458-12	Sequence 12, Appl	1296	36	35.6	499	2	US-09-328-352-5089	Sequence 5089, Ap
1240	36	35.6	337	1	US-08-878-360-5	Sequence 5, Appl	1297	36	35.6	507	2	US-09-540-236-3391	Sequence 3391, Ap
1241	36	35.6	337	1	US-08-878-360-12	Sequence 12, Appl	1298	36	35.6	508	2	US-09-248-796A-20809	Sequence 20809, A
1242	36	35.6	337	2	US-08-478-140B-5	Sequence 5, Appl	1299	36	35.6	516	2	US-09-543-681A-5385	Sequence 5385, Ap
1243	36	35.6	337	2	US-09-333-412-5	Sequence 12, Appl	1300	36	35.6	516	2	US-09-489-039A-10040	Sequence 10040, A
1244	36	35.6	337	2	US-09-333-412-12	Sequence 12, Appl	1301	36	35.6	530	2	US-09-912-935-38	Sequence 38, Appl
1245	36	35.6	337	2	US-09-338-943-5	Sequence 5, Appl	1302	36	35.6	530	2	US-09-248-796A-15021	Sequence 15021, A
1246	36	35.6	337	2	US-10-007-267A-5	Sequence 5, Appl	1303	36	35.6	537	2	US-09-602-787A-618	Sequence 618, App
1247	36	35.6	342	2	US-10-007-267A-12	Sequence 12, Appl	1304	36	35.6	553	2	US-09-303-518D-596	Sequence 596, App
1248	36	35.6	342	2	US-09-902-540-14075	Sequence 14075, A	1305	36	35.6	557	2	US-09-949-016-5891	Sequence 5891, Ap
1249	36	35.6	347	1	US-08-118-270-47	Sequence 47, Appl	1306	36	35.6	558	1	US-08-441-430-4	Sequence 4, Appl
1250	36	35.6	347	2	US-09-769-787-20	Sequence 20, Appl	1307	36	35.6	560	1	US-08-647-484-2	Sequence 2, Appl
1251	36	35.6	347	5	PCT-US93-08528-47	Sequence 47, Appl	1308	36	35.6	560	1	US-08-647-481-2	Sequence 2, Appl
1252	36	35.6	351	2	US-10-104-047-2320	Sequence 2320, Ap	1309	36	35.6	560	1	US-08-430-033A-2	Sequence 2, Appl
1253	36	35.6	362	2	US-09-252-991A-18068	Sequence 18068, A	1310	36	35.6	560	1	US-08-805-118-4	Sequence 4, Appl
1254	36	35.6	377	2	US-09-248-796A-17323	Sequence 17323, A	1311	36	35.6	560	2	US-09-391-958-4	Sequence 4, Appl
1255	36	35.6	377	2	US-09-902-540-13663	Sequence 13663, A	1312	36	35.6	560	2	US-09-915-181A-5	Sequence 5, Appl
1256	36	35.6	378	2	US-09-605-703B-1882	Sequence 1882, Ap	1313	36	35.6	560	5	PCT-US96-05792-2	Sequence 2, Appl
1257	36	35.6	380	2	US-09-540-236-2987	Sequence 2987, Ap	1314	36	35.6	563	2	US-09-422-936-79	Sequence 79, Appl
1258	36	35.6	385	2	US-09-252-991A-27112	Sequence 27112, A	1315	36	35.6	567	2	US-09-949-016-11354	Sequence 11354, A
1259	36	35.6	386	2	US-09-489-039A-13352	Sequence 13352, A	1316	36	35.6	568	2	US-09-949-016-6719	Sequence 6719, Ap
1260	36	35.6	387	2	US-09-902-540-11198	Sequence 11198, A	1317	36	35.6	574	2	US-10-023-515-4	Sequence 4, Appl
1261	36	35.6	388	2	US-09-222-938A-37	Sequence 37, Appl	1318	36	35.6	578	2	US-09-740-041-4	Sequence 4, Appl
1262	36	35.6	393	1	US-07-629-1041-3	Sequence 3, Appl	1319	36	35.6	582	2	US-09-949-016-9971	Sequence 9971, Ap
1263	36	35.6	393	2	US-09-432-470-2	Sequence 2, Appl	1320	36	35.6	582	2	US-09-915-181A-4	Sequence 4, Appl
1264	36	35.6	393	2	US-09-432-470-4	Sequence 4, Appl	1321	36	35.6	585	2	US-09-252-991A-32321	Sequence 32321, A

1322 36 35.6 596 2 US-09-949-016-8124 Sequence 8124, Ap
1323 36 35.6 598 2 US-09-875-811-12 Sequence 12, Appl
1324 36 35.6 605 2 US-09-875-811-8 Sequence 8, Appl
1325 36 35.6 611 2 US-09-543-681A-5447 Sequence 5447, Ap
1326 36 35.6 621 2 US-09-875-811-4 Sequence 4, Appl
1327 36 35.6 634 2 US-09-949-016-7542 Sequence 7542, Ap
1328 36 35.6 656 2 US-09-875-811-10 Sequence 10, Appl
1329 36 35.6 663 2 US-09-711-164-332 Sequence 332, App
1330 36 35.6 663 2 US-09-875-811-6 Sequence 6, Appl
1331 36 35.6 679 2 US-09-875-811-2 Sequence 2, Appl
1332 36 35.6 686 1 US-08-768-301-4 Sequence 4, Appl
1333 36 35.6 713 2 US-09-999-833A-183 Sequence 183, App
1334 36 35.6 713 2 US-10-020-445A-183 Sequence 183, App
1335 36 35.6 713 2 US-09-978-189-183 Sequence 183, App
1336 36 35.6 713 2 US-10-017-085A-183 Sequence 183, App
1337 36 35.6 713 3 US-10-145-129A-183 Sequence 183, App
1338 36 35.6 713 3 US-10-013-929A-183 Sequence 183, App
1339 36 35.6 713 3 US-10-013-917A-183 Sequence 183, App
1340 36 35.6 764 2 US-09-252-991A-18607 Sequence 18607, A
1341 36 35.6 783 2 US-09-603-208A-272 Sequence 272, App
1342 36 35.6 844 2 US-09-422-936-47 Sequence 47, Appl
1343 36 35.6 844 2 US-09-422-936-51 Sequence 51, Appl
1344 36 35.6 844 2 US-09-719-085A-4 Sequence 4, Appl
1345 36 35.6 872 2 US-09-107-532A-6668 Sequence 6668, Ap
1346 36 35.6 886 2 US-09-422-936-77 Sequence 77, Appl
1347 36 35.6 892 2 US-09-422-936-75 Sequence 75, Appl
1348 36 35.6 899 2 US-09-422-936-71 Sequence 71, Appl
1349 36 35.6 960 2 US-09-422-936-45 Sequence 45, Appl
1350 36 35.6 961 2 US-09-422-936-49 Sequence 49, Appl
1351 36 35.6 961 2 US-09-914-259-14 Sequence 14, Appl
1352 36 35.6 964 2 US-09-422-936-53 Sequence 53, Appl
1353 36 35.6 1134 2 US-08-726-214-2 Sequence 2, Appl
1354 36 35.6 1134 2 US-09-245-039-2 Sequence 2, Appl
1355 36 35.6 1166 2 US-10-101-464A-900 Sequence 900, App
1356 36 35.6 1284 2 US-10-296-144-5 Sequence 5, Appl
1357 36 35.6 1411 2 US-09-538-092-413 Sequence 413, App
1358 36 35.6 1527 2 US-09-647-140B-6 Sequence 6, Appl
1359 36 35.6 1527 2 US-09-939-853A-83 Sequence 83, Appl
1360 36 35.6 1527 2 US-09-939-853A-84 Sequence 84, Appl
1361 36 35.6 1530 2 US-09-647-140B-33 Sequence 33, Appl
1362 36 35.6 1729 2 US-09-696-115B-2 Sequence 2, Appl
1363 36 35.6 3559 2 US-09-693-205A-10 Sequence 10, Appl
1364 35.5 35.1 24 1 US-08-118-270-1 Sequence 1, Appl
1365 35.5 35.1 24 5 PCT-US93-08528-1 Sequence 1, Appl
1366 35.5 35.1 63 2 US-09-716-129-64 Sequence 64, Appl
1367 35.5 35.1 69 2 US-09-270-767-35000 Sequence 35000, A
1368 35.5 35.1 69 2 US-09-270-767-50217 Sequence 50217, A
1369 35.5 35.1 78 2 US-09-270-767-41314 Sequence 41314, A
1370 35.5 35.1 78 2 US-09-270-767-56530 Sequence 56530, A
1371 35.5 35.1 122 2 US-09-248-796A-14719 Sequence 14719, A
1372 35.5 35.1 129 2 US-09-328-352-4565 Sequence 4565, Ap
1373 35.5 35.1 132 2 US-09-461-325-230 Sequence 230, App
1374 35.5 35.1 132 2 US-10-012-542-230 Sequence 230, App
1375 35.5 35.1 132 2 US-10-115-123-230 Sequence 230, App
1376 35.5 35.1 152 2 US-09-188-930-187 Sequence 187, App
1377 35.5 35.1 152 2 US-09-312-283C-187 Sequence 187, App
1378 35.5 35.1 152 2 US-10-099-322-57 Sequence 57, Appl

1379 35.5 35.1 152 2 US-10-044-564-57 Sequence 57, Appl
1380 35.5 35.1 166 2 US-09-328-352-4565 Sequence 4565, Ap
1381 35.5 35.1 234 2 US-09-538-092-10 Sequence 10, Appl
1382 35.5 35.1 234 2 US-09-538-092-291 Sequence 231, App
1383 35.5 35.1 335 2 US-09-583-110-3725 Sequence 3725, Ap
1384 35.5 35.1 341 2 US-09-902-540-11849 Sequence 11849, A
1385 35.5 35.1 341 2 US-09-543-681A-8159 Sequence 8159, A
1386 35.5 35.1 377 2 US-09-999-833A-206 Sequence 206, App
1387 35.5 35.1 377 2 US-10-020-445A-206 Sequence 206, App
1388 35.5 35.1 377 2 US-09-978-189-206 Sequence 206, App
1389 35.5 35.1 377 2 US-10-017-085A-206 Sequence 206, App
1390 35.5 35.1 377 3 US-10-145-129A-206 Sequence 206, App
1391 35.5 35.1 377 3 US-10-013-929A-206 Sequence 206, App
1392 35.5 35.1 377 3 US-10-013-917A-206 Sequence 206, App
1393 35.5 35.1 391 2 US-09-252-991A-31643 Sequence 31643, A
1394 35.5 35.1 391 2 US-09-188-452A-364 Sequence 364, App
1395 35.5 35.1 396 2 US-09-489-039A-10242 Sequence 10242, A
1396 35.5 35.1 398 2 US-09-328-352-6411 Sequence 6411, Ap
1397 35.5 35.1 442 2 US-09-248-796A-26155 Sequence 26155, A
1398 35.5 35.1 443 2 US-09-461-325-147 Sequence 147, App
1399 35.5 35.1 443 2 US-10-012-542-147 Sequence 147, App
1400 35.5 35.1 443 2 US-10-115-123-147 Sequence 147, App
1401 35.5 35.1 448 2 US-09-583-110-4257 Sequence 4257, Ap
1402 35.5 35.1 448 2 US-09-769-787-42 Sequence 42, Appl
1403 35.5 35.1 452 2 US-09-107-433-4995 Sequence 4995, Ap
1404 35.5 35.1 502 2 US-09-252-991A-23390 Sequence 23390, A
1405 35.5 35.1 583 2 US-09-252-991A-32735 Sequence 32735, A
1406 35.5 35.1 670 2 US-09-575-081B-26 Sequence 26, Appl
1407 35.5 35.1 1053 2 US-09-543-681A-5981 Sequence 5981, Ap
1408 35.5 35.1 1092 2 US-09-252-991A-28476 Sequence 28476, A
1409 35 34.7 17 2 US-09-461-325-301 Sequence 301, App
1410 35 34.7 17 2 US-10-012-542-301 Sequence 301, App
1411 35 34.7 17 2 US-10-115-123-301 Sequence 301, Appl
1412 35 34.7 21 2 US-09-178-093B-24 Sequence 24, Appl
1413 35 34.7 22 2 US-09-439-313-555 Sequence 555, App
1414 35 34.7 23 2 US-09-149-476-338 Sequence 338, App
1415 35 34.7 28 2 US-09-893-737-136 Sequence 136, App
1416 35 34.7 46 2 US-09-270-767-35253 Sequence 35253, A
1417 35 34.7 46 2 US-09-270-767-50470 Sequence 50470, A
1418 35 34.7 53 2 US-09-471-276-1379 Sequence 1379, Ap
1419 35 34.7 58 2 US-09-275-252A-31 Sequence 31, Appl
1420 35 34.7 63 2 US-09-042-012-10 Sequence 10, Appl
1421 35 34.7 63 2 US-09-457-324-10 Sequence 10, Appl
1422 35 34.7 66 2 US-09-042-012-18 Sequence 18, Appl
1423 35 34.7 66 2 US-09-457-324-18 Sequence 18, Appl
1424 35 34.7 66 2 US-09-457-324-18 Sequence 43191, A
1425 35 34.7 70 2 US-09-543-681A-4833 Sequence 4833, Ap
1426 35 34.7 71 2 US-09-042-012-16 Sequence 16, Appl
1427 35 34.7 71 2 US-09-457-324-16 Sequence 16, Appl
1428 35 34.7 73 2 US-09-148-545-244 Sequence 244, App
1429 35 34.7 73 2 US-09-621-011-244 Sequence 244, App
1430 35 34.7 76 2 US-09-663-600A-115 Sequence 115, App
1431 35 34.7 76 2 US-09-663-600A-209 Sequence 209, App
1432 35 34.7 81 2 US-09-134-001C-5629 Sequence 5629, Ap
1433 35 34.7 82 2 US-09-663-600A-117 Sequence 117, App
1434 35 34.7 82 2 US-09-673-395A-494 Sequence 494, App
1435 35 34.7 92 2 US-09-663-600A-211 Sequence 211, App

10/063.583

1493	35	34.7	205	2	US-09-191-1468-70	Sequence 70, Appli
1494	35	34.7	205	2	US-09-349-0116-7376	Sequence 7376, Appl
1495	35	34.7	207	2	US-08-811-519-20	Sequence 20, Appl
1496	35	34.7	207	2	US-08-811-519-21	Sequence 21, Appl
1497	35	34.7	213	1	US-08-808-550-35	Sequence 35, Appl
1498	35	34.7	227	2	US-09-134-000C-3933	Sequence 3933, Appl
1499	35	34.7	240	2	US-09-370-001C-5445	Sequence 5, Appli
1500	35	34.7	240	2	US-09-134-001C-5445	Sequence 5445, Ap

RESULT 1

```
Query Match      100.0%; Score 101; DB 2: Length 337;
Best Local Similarity 100.0%; Pred. No. 6.2e-07;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

RESULT 2

US-10-015-389A-423
; Sequence 423, Application US/10015389A

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ BLACK BORDERS
- ☐ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
- ☐ FADED TEXT OR DRAWING
- ☐ BLURRED OR ILLEGIBLE TEXT OR DRAWING
- ☐ SKEWED/SLANTED IMAGES
- ☐ COLOR OR BLACK AND WHITE PHOTOGRAPHS
- ☒ GRAY SCALE DOCUMENTS
- ☐ LINES OR MARKS ON ORIGINAL DOCUMENT
- ☒ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY
- ☐ OTHER: _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.